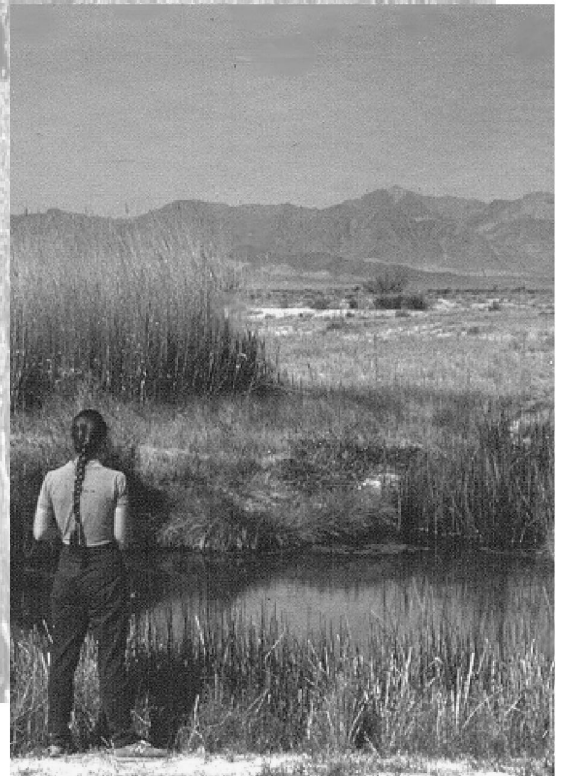




Nevada Natural Heritage Program

Scorecard 2000

Highest Priority
Conservation
Sites



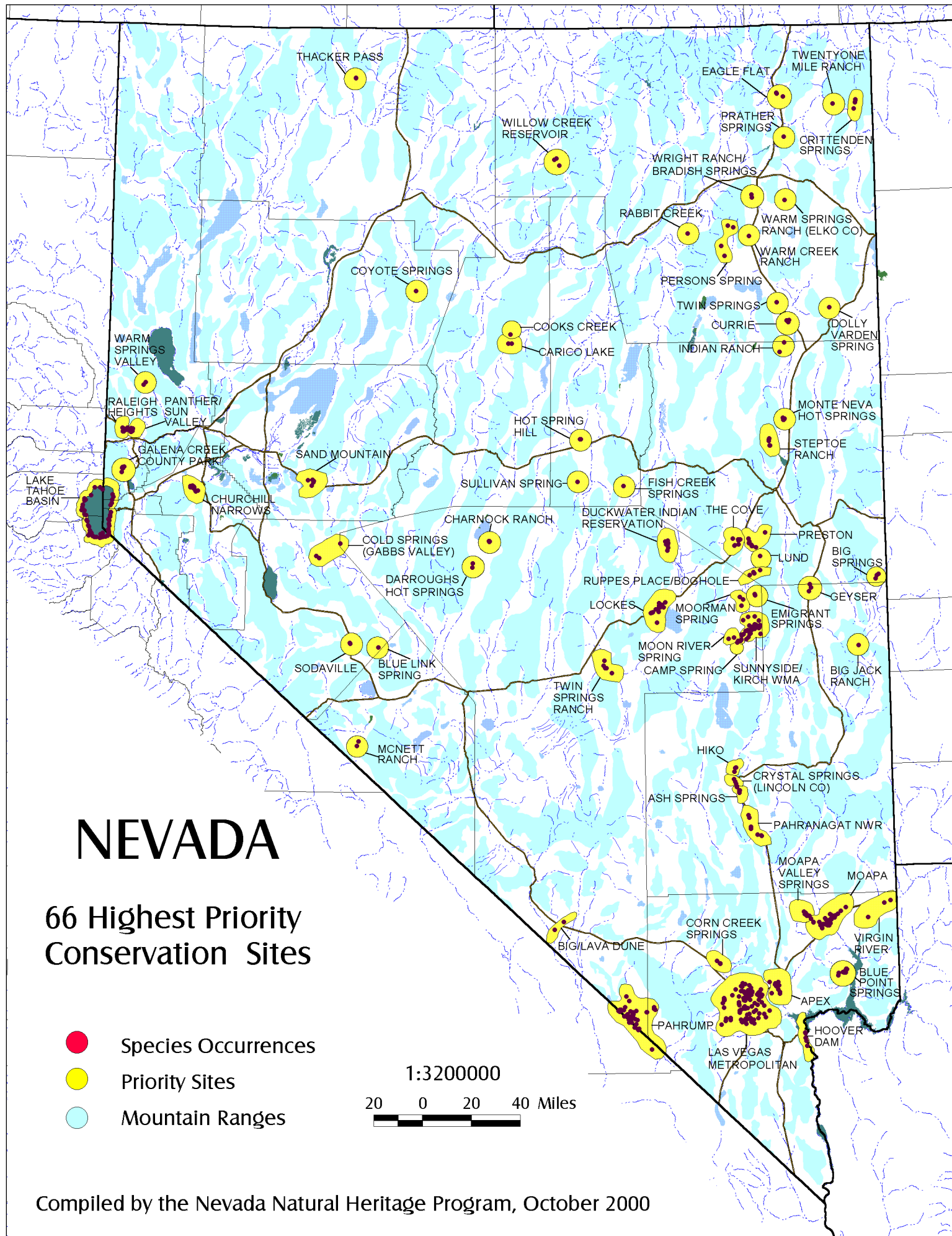
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Bristlecone pine in an alpine habitat by James D. Morefield. Mojave Desert spring system by Glenn H. Clemmer.



Compiled by the Nevada Natural Heritage Program, October 2000

Nevada Natural Heritage Program Scorecard — October 2000

From a biological perspective, Nevada is one of the most interesting states in the union. Nevada is home to a variety of seemingly contradictory landscapes that represent a multitude of communities with everything from forest to grassland to alpine tundra to shrubland to riparian to absolute desert. Nevada is the most mountainous state in the Union with 314 distinct ranges that generally run north to south and that are separated by deep valleys. Elevations range from 479 feet (146 meters) at the very southern tip of the state to 13,141 feet (4005 meters) at the top of Boundary Peak. Precipitation is extremely variable in time and space, with some areas averaging less than 3 inches (76 millimeters) a year and others averaging over 56 inches (1422 millimeters) a year. Nevada has experienced extreme temperature variation from the lowest recorded temperature of -48⁰ F (-44⁰ C) to the highest recorded temperature of 125⁰ F (51.6⁰ C). In any one day, temperatures may change 40 to 50 degrees Fahrenheit (22 to 27 degrees Celsius). All of this variability supports an astounding amount of diversity among our plants and animals.

The flora and fauna in our state are the product of processes that began millions of years ago. During the Pleistocene era, Nevada was much different than it is today. Much of northern Nevada was covered by vast lakes, and in general, the state was much wetter and cooler. As the environment began to warm and the water started to recede, remnant lakes and spring systems emerged. Regional uplift and rifting created numerous isolated montane islands that provided habitat for relic populations of Pleistocene species. Together, these processes allowed development of a large number of new endemic species with diverse life strategies that are found in Nevada and nowhere else.

Unfortunately, many of Nevada's native plants and animals have become increasingly rare and vulnerable to extinction. Nevada is the fastest growing state in the union, and with this growth comes increased pressure on our native ecosystems. Water, our most precious and limiting resource, is in greater demand than ever before. Land is being converted at a high rate for urban development and other uses. An even greater threat has emerged recently, in the form of competition with increasing numbers of invasive non-native species. These pressures are causing declining ecosystem health and loss of native biodiversity and must be addressed.

Throughout the state, there are many "hotspots" of diversity - places where large concentrations of rare and sensitive species coincide with imminent threats. Some of these places represent the only occurrence of a species in the whole world. These "hotspots" are Nevada Natural Heritage's highest priority conservation sites.

The Nevada Natural Heritage Program (NNHP) collects information on the occurrences, distribution, and population status of the rare and sensitive species found throughout the state of Nevada. The Program continually evaluates conservation priorities for over 600 kinds of native animals, plants, vegetation types, and their habitats - those most vulnerable to extinction or serious decline - and supplies information and technical services to meet diverse conservation, planning, development, and research needs.

NNHP is part of the National Biological Information Infrastructure, the Natural Heritage Network, and the Association for Biodiversity Information, with similar programs in each U.S. state, many U.S. territories, most Canadian provinces, and many countries in Latin America and the Caribbean. Using this broad geographic approach, Heritage methodology serves as a mechanism to set consistent priorities for our most vulnerable plants and animals and is now being incorporated into the planning and management efforts of many State and Federal agencies.

With over 14 years of accumulated data, our system of databases currently include 6,193 occurrences of over 600 sensitive plants and animals. Using standard Heritage methodology, each species is ranked independently on global (G) and state (S) scales according to its rarity and vulnerability. Both of these ranks are based on a scale of 1 to 5, with 5 being widespread and secure and 1 being critically imperiled. Other indicators may be added on to a rank such as T-rank for a subspecies or B for breeding status within the state. For example, the Western yellow bat, *Lasiurus xanthinus*, is globally widespread and abundant (G5), but ranked as critically imperiled in NV (S1) as it is known from a single site. In contrast, the endemic White River spinedace, *Lepidomeda albivallis*, is critically imperiled both globally and statewide (G1S1). The Southwestern Willow Flycatcher, *Empidonax traillii extimus*, has a rank of G5T2S1B, indicating that the whole species (*Empidonax traillii*) is globally abundant, the subspecies is globally imperiled (T2) and state critically imperiled (S1), and finally, that it breeds (B) within the borders of NV (see pages 6 and 7 for detailed definitions of these ranks). This continuous ranking process allows flexibility in setting priorities for the conservation of the thousands of species that call Nevada home.

Species that warrant tracking by the program are generally those ranked G1-G3 and/or S1-S3. As data become available, occurrences of these species are added to our manual and computer files, complete with geographical and biological information. Each of these occurrences are assigned to a site, and sites are further grouped into macrosites. Every two years, sites are reviewed to determine areas that contain the highest diversity of vulnerable species. This review process results in a Biodiversity Significance Rank (B) of each site from 1 to 5, with 1 being the most significant and 5 the least significant. Sites with high B ranks are further ranked according to their Protection Urgency (P) and Management Urgency (M), again on scales from 1 to 5 with 1 being the most urgent. Those sites that rank highest (i.e., have the lowest numeric sum of the three ranks) then become the working list of the highest priority conservation sites. This working list is reviewed internally as well as externally by biologists, land managers, conservation professionals and other knowledgeable individuals to produce a final list. **The highest priority sites on this final list are those that currently require new management and/or protection actions to successfully conserve a significant assemblage of sensitive species, and to prevent the loss of one or more species or populations at that site in the immediate future.**

The scorecard process is used by Heritage Programs nationwide as a way to "keep score" of the conservation successes, failures, and current needs of sensitive species in each state. In general, sites that move from higher to lower priority between scorecards (or drop off the scorecard entirely) may be considered conservation successes, because their management and protection needs have been addressed to some degree. Sites that move from lower to higher priority represent the most urgent current conservation needs, and

have the potential to become conservation "failures" if they remain on several successive scorecards while their sensitive species become further imperiled, threatened, endangered, or are lost.

In Nevada, an example of a recent conservation success is the Oasis Valley, Bullfrog Hills, and Beatty complex. These sites, present in the 1998 Scorecard, are not included in Scorecard 2000. Oasis Valley, Bullfrog Hills, and Beatty are located in southwestern Nevada in Nye County. This exceptional area is home to 11 rare plants and animals, 5 of which are endemic to this valley. One such animal is the Amargosa Toad, *Bufo nelsoni*.

The Amargosa toad, originally described by Stejneger in 1891, is endemic to Oasis Valley occurring in a 12 mile stretch of the Amargosa River and the surrounding springs. Due to the highly localized nature of this species it is threatened by a variety of factors including habitat alteration or elimination, aquatic nonnative species, invasive plants, reduction in perennial flows along the Amargosa River corridor, spring conversion and diversion, impacts from wild horses and burros, and impacts from off highway vehicles. In 1994, the United States Fish and Wildlife Service was petitioned for emergency listing as endangered under the Endangered Species Act of 1973 (as amended). It was determined that listing was not warranted, in part due to surveys by Nevada Division of Wildlife and the Nevada Natural Heritage Program which indicated higher population numbers than previously thought. Since 1995, populations have been surveyed annually, with a mark-recapture program beginning in 1997. This is a cooperative effort with many participants, including, Nevada Division of Wildlife, the U.S. Fish and Wildlife Service, the U.S. Bureau of Land Management, Nye County Department of Natural Resources, the Universities of Nevada at Reno and Las Vegas, The Nature Conservancy, Nevada Natural Heritage Program, and dedicated private landowners. An Amargosa Toad Working Group has been formed and a Conservation Agreement formalized. By addressing the needs of the Amargosa Toad, other species of concern have benefited from this proactive and cooperative process. With awareness and active conservation, the Oasis Valley, Bullfrog Hills and Beatty sites are now of lower conservation priority and are on the road to conservation success.

In total, 13 of the 48 highest priority conservation sites from 1998 were removed from Scorecard in 2000. Unfortunately, more sites have been added that require immediate conservation attention. A total of 66 sites are listed in Scorecard 2000.

Scorecard 2000 provides a summary list followed by supportive detailed information for each site. The summary list contains each macrosite with all associated higher-priority sites, including those sites that are not considered of highest priority. Highest priority conservation sites are ranked B1 P1 M1 and are in bold type for easier reading. The detailed list includes more information such as the associated species and their ranks, the elevations and types of landowners at each site, any Federal or State protection of associated species, and the maximum distance between any two occurrences which indicates the approximate size of the site. An accompanying map shows the 66 highest priority sites. We urge land managers throughout Nevada to provide and plan for conservation of these sites at the earliest opportunity.

Jennifer E. Newmark

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Jeri Krueger, Damian Higgins (U.S. Fish and Wildlife Service); Tony Wasley, Jerry Stein, Anita Cook (Nevada Division of Wildlife); Chuck Rumsey (The Nature Conservancy); Dave Weixelman (Humboldt-Toiyabe National Forest); Randy McNatt (Bureau of Land Management); Ann Pinzl, George Baumgardner (Nevada State Museum).

Numerous additional individuals contributed information, among them: George Austin (Nevada State Museum); Don Sada (Desert Research Institute/Biological Resources Research Center, University of Nevada Reno); Teri Knight, Jim Moore, Bruce Lund, Jan Nachlinger, Graham Chisholm (The Nature Conservancy); Brett Riddle (University of Nevada, Las Vegas); Gary Scoppettone (U.S. Geological Survey); Arnold Tiehm (Northern Nevada Native Plant Society); Gary Herron, Jon Sjoberg, Cris Tomlinson, Larry Neel (Nevada Division of Wildlife); Pete Anderson (Nevada Division of Forestry).

We would also like to acknowledge those individuals who have contributed to our program by providing data, professional assistance, and participating in various review meetings of our sensitive plants, amphibians, reptiles, and mammals. A listing of most of these people is available at: <http://www.state.nv.us/nvnhp/thanks.htm>.

COLUMN DEFINITIONS FOR HIGHEST PRIORITY CONSERVATION SITES

Site names and ranks:

Site **Biodiversity Significance**:

- 1 Outstanding significance (only known or highest quality population of a G1 or T1 taxon; concentration of higher quality G1/T1, G2/T2, or declining taxa).
- 2 Very high significance (lower quality G1/T1; higher quality G2/T2 or G3/T3; concentration of moderate quality G2/T2, G3/T3, or declining taxa).
- 3 High significance (lower quality G2/T2; higher quality G3/T3; concentration of high quality S1 taxa).
- 4 Moderate significance (lower quality G3/T3; higher quality or only S1 population; highest quality S2; concentration of higher quality S2 or S3s).
- 5 Of general biodiversity interest or open space.

Site **Protection Urgency**:

- 1 Good chance of being immediately threatened (within 1 year of rank date) by severely destructive forces.
- 2 Threat expected within 5 years.
- 3 Definable threat, but not in next 5 years.
- 4 No threat known for foreseeable future.
- 5 Land protection complete or adequate reasons exist not to protect the site.

Site **Management Urgency**:

- 1 Loss or irretrievable degradation of populations could occur within 1 year without immediate new, or ongoing annual, management.
- 2 Loss of populations could occur within 5 years without new or ongoing management action.
- 3 Quality of populations could degrade within 5 years without new or ongoing management action.
- 4 Although not currently threatened, management may be needed in the future to maintain current quality of populations.
- 5 No serious management needs known or anticipated at site.

Code: Nevada Natural Heritage Program internal code for the site.

Land Ownership Symbols:

These symbolize the major land-management categories in which the site is known to occur in Nevada, roughly in descending order of dominance for the site. These **cannot be guaranteed** to be either complete or entirely accurate, and are intended only for general information purposes. **Owners known** are those for which we have documentation, and **possible** are uncertain and/or nearby.

- b** Bureau of Land Management (US Department of the Interior), Nevada districts.
- c** **County land or right-of-way.**
- d** US Department of **D**efense (Fallon, Hawthorne, Nellis, or Wendover).
- e** US Department of **E**nergy (primarily Nevada Test Site).
- f** Forest Service (US Department of Agriculture), Humboldt-Toiyabe **National Forest (Region 4).**
- i** **Indian reservations and colonies.**
- k** National Park Service (US Department of the Interior; Death Valley, Great Basin, Lake Mead).
- l** Wilderness areas (all agencies).
- m** **Municipal land or right-of-way.**
- n** State of Nevada (parks, transportation corridors, university, waters, wildlife management areas).
- p** **Private.**
- r** Bureau of **R**eclamation (US Department of the Interior).
- s** Bureau of Land Management (US Department of the Interior), California resource areas.
- t** Forest Service (US Department of Agriculture), Lake Tahoe Basin Management Unit (Region 5).
- w** Fish and **W**ildlife Service (US Department of the Interior; wildlife ranges and refuges).
- y** Forest Service (US Department of Agriculture), Inyo National Forest (Region 5).

Elevation: range in feet for all occurrences belonging to the site.

Max. distance: the greatest distance between any two occurrences belonging to the site (to indicate the approximate size of the site).

COLUMN DEFINITIONS FOR HIGHEST PRIORITY CONSERVATION SITES

Nevada Natural Heritage Program Global (**G**rank) and State (**S**rank) Element Ranks for Threats and/or Vulnerability:

G	Global rank indicator, based on worldwide distribution at the species level
T	Global trinomial rank indicator, based on worldwide distribution at the infraspecific level
S	State rank indicator, based on distribution within Nevada at the lowest taxonomic level
1	Critically imperiled due to extreme rarity, imminent threats, or biological factors
2	Imperiled due to rarity or other demonstrable factors
3	Rare and local throughout its range, or with very restricted range, or otherwise vulnerable to extinction
4	Apparently secure, though frequently quite rare in parts of its range, especially at its periphery
5	Demonstrably secure, though frequently quite rare in parts of its range, especially at its periphery
A	Accidental
B	Breeding status within NV (excludes resident taxa)
E	Exotic or introduced
H	Of historical occurrence and could be rediscovered
N	Non-breeding status within NV (excludes resident taxa)
P	Potential
Q	Taxonomic status uncertain
U	Unknown
X	Believed extinct or extirpated within Nevada
?	Assigned rank uncertain

Population Trend (**Trnd**) of Taxon in Nevada (when known):

\\ Declining rapidly \ Declining

Occurrences at **Site/Total** Documented Occurrences in Nevada.

U. S. Fish and Wildlife Service (**Usfws**) Categories for Listing under the Endangered Species Act:

LE	Listed Endangered - in danger of extinction in all or a significant portion of its range
LT	Listed Threatened - likely to be classified as Endangered in the foreseeable future if present trends continue
PE	Proposed Endangered
PT	Proposed Threatened
C	Candidate
<C1	Former Category 1 Candidate, now species of concern

<C2	Former Category 2 Candidate, now species of concern
_SA	Similarity of appearance species
RA	Former Candidate species without status due to being more abundant than previously thought
(PS)	Partial status in part of range
_NL	Not listed in parts of its range
_XN	Extinct in parts of its range

Bureau of Land Management (**Blm**) Species Classification:

S	Nevada Special Status Species - USFWS listed, proposed or candidate for listing, or protected by Nevada state law
N	Nevada Special Status Species - designated Sensitive by State Office
C	California Special Status Species (see definition S and N)

United States Forest Service (**Usfs**) Species Classification:

S	Region 4 (Humboldt-Toiyabe) sensitive species
I	Region 5 (Inyo) sensitive species
W	Region 5 (Inyo) watch species
P	Region 5 (Inyo) proposed watch or sensitive species
E	USFWS listed Endangered
T	USFWS listed Threatened

Nevada State Protected (**State**) Species Classification:

Fauna:

YES	Species protected under NRS 501.
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Flora:

CE	Critically endangered - species threatened with extinction, whose survival requires assistance because of overexploitation, disease or other factors or because their habitat is threatened with destruction, drastic modification or severe curtailment (NRS 527.260-.300)
CE#	Recommended for listing as critically endangered
CY	Protected as a cactus, yucca, or Christmas tree (NRS 527.060-.120)

Endemic (**End**) status:

Y	Found only within the State of Nevada
P	Probable endemic of Nevada

Most Recent Year (**Year**) of Taxon Observation at Each Site / Most Recent Survey Year of Taxon at Each Site (if survey year is later than observation year)

66 Highest Priority Conservation Sites, Summary List

Site Names	Site Ranks	Owners known	Owners possible	Elevation (ft)	Maximum distance
AMARGOSA DESERT MACROSITE					
Site: BIG/LAVA DUNE	B1 P1 M1	b		2500-2800	5.0 mi
ANTELOPE VALLEY (ELKO/WHITE PINE CO)					
Site: DOLLY VARDEN SPRING	B1 P1 M1	p		5680-5680	0.0 mi
ANTELOPE VALLEY (EUREKA CO) MACROSITE					
Site: SULLIVAN SPRING	B1 P1 M1	p	f	6800-6800	0.0 mi
BIG SMOKY VALLEY NORTH MACROSITE					
Site: ALKALI FLAT	B1 P2 M2	pb	lfn	5480-6000	19.2 mi
Site: CHARNOCK RANCH	B1 P1 M1	pb		5470-5495	.5 mi
Site: DARROUGHS HOT SPRINGS	B1 P1 M1	p	f	5600-5600	0.0 mi
CARICO LAKE VALLEY MACROSITE					
Site: CARICO LAKE	B1 P1 M1	bp		5100-5320	1.4 mi
Site: COOKS CREEK	B1 P1 M1	b	p	5360-5360	0.0 mi
CARSON FRONT MACROSITE					
Site: CARSON RANGE NORTH	B1 P2 M2	fpl	b	5700-9100	8.3 mi
Site: GALENA CREEK COUNTY PARK	B1 P1 M1	cpf	n	6035-7700	2.4 mi
Site: SPOONER SUMMIT	B2 P2 M1	fpn	t	5600-7850	2.5 mi
CLOVER VALLEY MACROSITE					
Site: BRADISH SPRING	B1 P1 M1	p		5800-5800	0.0 mi
Site: WARM CREEK RANCH	B1 P1 M1	pb		5800-5800	0.0 mi
Site: WRIGHT RANCH	B1 P1 M1	p		5780-5780	0.0 mi
DELANO MOUNTAINS MACROSITE					
Site: CRITTENDEN SPRINGS	B1 P1 M1	p	n	5240-5280	1.1 mi
FISH CREEK VALLEY MACROSITE					
Site: FISH CREEK SPRINGS	B1 P1 M1	p		6020-6020	0.0 mi
FISH LAKE VALLEY MACROSITE					
Site: MCNETT RANCH	B1 P1 M1	p		4795-4795	0.0 mi
GABBS VALLEY MACROSITE					
Site: COLD SPRINGS (GABBS VALLEY)	B1 P1 M1	bp	n	4150-4300	11.1 mi
HAMLIN VALLEY MACROSITE					
Site: BIG SPRINGS	B1 P1 M1	p		5560-5560	1.5 mi
HOT CREEK VALLEY/PALISADE MACROSITE					
Site: TWIN SPRINGS RANCH	B1 P1 M1	bp		5050-5200	5.9 mi
Site: WARM SPRINGS	B1 P2 M2	b		5300-5760	12.7 mi
INDEPENDENCE VALLEY MACROSITE					
Site: WARM SPRINGS RANCH (ELKO CO)	B1 P1 M1	pb		5615-5615	0.0 mi

Site Names	Site Ranks	Owners known	Owners possible	Elevation (ft)	Maximum distance
KNOLL MOUNTAIN MACROSITE					
Site: EAGLE FLAT	B1 P1 M1	b	n	5700-6100	3.2 mi
Site: EAGLE FLAT SOUTH	B2 P1 M1	b	n	5900-5970	2.7 mi
KOBEH VALLEY MACROSITE					
Site: HOT SPRING HILL	B1 P1 M1	b		6110-6130	.3 mi
LAKE MEAD MACROSITE					
Site: BLUE POINT SPRINGS	B1 P1 M1	k	n	1440-2630	4.5 mi
Site: HOOVER DAM	B1 P1 M1	k		675-1510	5.4 mi
Site: LAKE MEAD (AQUATIC)	B1 P1 M2	n	k	1180-1180	0.0 mi
Site: OVERTON ARM	B1 P1 M2	knb		1200-1970	25.2 mi
LAKE TAHOE BASIN MACROSITE					
Site: LAKE TAHOE (AQUATICS)	B1 P1 M1	n	t	6000-6000	0.0 mi
Site: LAKE TAHOE (BEACH)	B1 P1 M1	ptn		6200-6280	14.8 mi
LAKE VALLEY MACROSITE					
Site: GEYSER	B1 P1 M1	p		5080-5960	2.9 mi
Site: GOUGE EYE WELL	B2 P2 M1	bp		5915-5922	3.4 mi
LAMOILLE/PLEASANT VALLEY MACROSITE					
Site: RABBIT CREEK	B1 P1 M1	p	n	5600-5600	0.0 mi
LAS VEGAS MACROSITE					
Site: APEX	B1 P1 M1	bd	np	1930-2520	6.4 mi
Site: CORN CREEK SPRINGS	B1 P1 M1	wp	db	2918-2920	1.7 mi
Site: LAS VEGAS METROPOLITAN	B1 P1 M1	pbnd		1695-4350	21.6 mi
MOAPA VALLEY MACROSITE					
Site: LOGANDALE/OVERTON	B1 P2 M1	bknpi		1000-2000	13.1 mi
Site: MOAPA	B1 P1 M1	bnpi		1330-2400	15.0 mi
Site: MOAPA VALLEY SPRINGS	B1 P1 M1	pwn	b	1172-1830	2.8 mi
MONTANA MTNS/DOUBLE H MTNS MACROSITE					
Site: THACKER PASS	B1 P1 M1	p	n	4440-4560	.2 mi
PAH RAH RANGE MACROSITE					
Site: WARM SPRINGS VALLEY	B1 P1 M1	bp		4248-4265	1.4 mi
PAHRANAGAT VALLEY MACROSITE					
Site: ASH SPRINGS/PAHRANAGAT RIVER	B1 P1 M1	pb		3480-3680	2.9 mi
Site: CRYSTAL SPRINGS (LINCOLN CO)	B1 P1 M1	p	n	3600-4000	2.1 mi
Site: HIKO	B1 P1 M1	pn	b	3860-4000	1.7 mi
Site: PAHRANAGAT NWR	B1 P1 M1	w		3160-3400	9.9 mi
PAHRUMP VALLEY MACROSITE					
Site: PAHRUMP	B1 P1 M1	bp		2490-2648	14.2 mi
Site: STEWART VALLEY (NYE CO)	B1 P2 M2	bp		2297-3650	11.9 mi
PILOT MOUNTAINS MACROSITE					
Site: BLUE LINK SPRING	B1 P1 M1	b		6440-6440	0.0 mi

Site Names	Site Ranks	Owners known	Owners possible	Elevation (ft)	Maximum distance
PINE NUT MOUNTAINS MACROSITE					
Site: CHURCHILL NARROWS	B1 P1 M1	bp		4300-4600	3.6 mi
Site: DOUBLE SPRING FLAT	B2 P1 M1	pb	nf	5550-5950	5.9 mi
PLEASANT VALLEY MACROSITE					
Site: COYOTE SPRINGS	B1 P1 M1	p		4720-4720	0.0 mi
Site: PARIS RANCH	B1 P2 M2	bp		4150-4180	2.4 mi
RAILROAD VALLEY MACROSITE					
Site: BLUE EAGLE	B1 P2 M2	bp	n	4750-5300	4.2 mi
Site: CROWS NEST	B1 P2 M2	b	pn	4860-4860	0.0 mi
Site: CURRANT	B1 P2 M2	bf	n	4770-6100	16.6 mi
Site: DUCKWATER INDIAN RESERVATION	B1 P1 M1	ipb		3380-5610	4.0 mi
Site: LOCKES	B1 P1 M1	bpn		4725-5350	9.0 mi
Site: RAILROAD VALLEY NORTH	B1 P2 M2	bp		5750-6120	10.4 mi
RENO/PEAVINE MACROSITE					
Site: NEVADA CENTRAL MINE	B1 P2 M2	fp		5480-6330	1.7 mi
Site: PANTHER/SUN VALLEY	B1 P1 M1	pbn		4780-5320	1.7 mi
Site: PEAVINE PEAK	B1 P2 M2	pf	b	5440-7800	4.6 mi
Site: RALEIGH HEIGHTS	B1 P1 M1	fp		5060-5840	2.0 mi
Site: RENO METROPOLITAN	B3 P1 M1	pn		4380-4700	5.9 mi
RUBY VALLEY MACROSITE					
Site: PERSONS SPRING	B1 P1 M1	pb	fln	6250-6440	9.2 mi
Site: SULPHUR HOT SPRINGS	B1 P2 M1	p		6030-6050	0.0 mi
SHEEP CREEK RANGE MACROSITE					
Site: WILLOW CREEK RESERVOIR	B1 P1 M1	pb		5398-5600	3.3 mi
SODA SPRING VALLEY MACROSITE					
Site: SODAVILLE	B1 P1 M1	bp		4635-4705	.3 mi
STEPTOE VALLEY MACROSITE					
Site: COMINS LAKE	B2 P1 M1	p	b	6370-6560	7.4 mi
Site: CURRIE	B1 P1 M1	bp	n	5870-5873	1.1 mi
Site: INDIAN RANCH	B1 P1 M1	bp		6000-6626	4.3 mi
Site: MCGILL	B1 P2 M1	pb		6030-6220	6.7 mi
Site: MONTE NEVA HOT SPRINGS	B1 P1 M1	pb		5938-6000	1.0 mi
Site: STEPTOE RANCH	B1 P1 M1	p	b	6040-6140	2.8 mi
Site: TWIN SPRINGS	B1 P1 M1	p		6200-6200	0.0 mi
STILLWATER RANGE MACROSITE					
Site: SAND MOUNTAIN	B1 P1 M1	b	p	3900-4460	2.7 mi
THOUSAND SPRINGS VALLEY/CREEK MACROSITE					
Site: THOUSAND SPRINGS VALLEY	B2 P2 M1	p		5480-6040	11.6 mi
Site: TWENTYONE MILE RANCH	B1 P1 M1	p		5160-5160	0.0 mi
VIRGIN VALLEY MACROSITE					
Site: RIVERSIDE	B1 P2 M1	pb	n	1400-1640	1.2 mi
Site: TOQUOP WASH	B1 P2 M2	b		1540-1936	5.9 mi
Site: VIRGIN RIVER	B1 P1 M1	n	p	1220-1575	11.5 mi
Site: VIRGIN RIVER UPLANDS	B1 P2 M1	bnkp		1100-2165	10.8 mi

Site Names	Site Ranks	Owners known	Owners possible	Elevation (ft)	Maximum distance
WHITE RIVER VALLEY MACROSITE					
Site: CAMP SPRING	B1 P1 M1	p		5180-5180	0.0 mi
Site: EMIGRANT SPRINGS	B1 P1 M1	p		5460-5480	.6 mi
Site: LUND	B1 P1 M1	p		5598-5600	0.0 mi
Site: MOON RIVER SPRING	B1 P1 M1	pb		5188-5290	4.0 mi
Site: MOORMAN SPRING	B1 P1 M1	pb		5265-5305	3.7 mi
Site: MOORMAN SPRING SE	B1 P2 M2	b		5220-5470	6.0 mi
Site: PRESTON	B1 P1 M1	pnb		5600-6360	7.9 mi
Site: RUPPES PLACE/BOGHOLE	B1 P1 M1	pb		5350-5630	4.8 mi
Site: SUNNYSIDE/KIRCH WMA	B1 P1 M1	nbp		5150-5650	11.4 mi
Site: THE COVE	B1 P1 M1	pb		5940-6170	3.3 mi
WHITE ROCK/WILSON CREEK RANGE MACROSITE					
Site: BIG JACK RANCH	B1 P1 M1	p		7000-7000	0.0 mi
Site: BURNT CANYON CREEK	B1 P2 M2	b		6700-6700	0.0 mi
WINDERMERE HILLS MACROSITE					
Site: PRATHER SPRINGS	B1 P1 M1	p		5920-5920	0.0 mi

66 Highest Priority Conservation Sites

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
AMARGOSA DESERT MACROSITE											
Site: BIG/LAVA DUNE	G1	S1		(1/1)	<i>Aegialia magnifica</i>	<C2	N			Y	1975
Ranks: B1 P1 M1					(large aegialian scarab)						
Code: S.USWRO1*1019											
Owners known: b	G1	S1		(1/1)	<i>Miloderes</i> sp.	<C2	N			Y	1982/
possible:					(Big Dune miloderes weevil)						1994
Elev.: 2500-2800 ft.	G1	S1		(2/2)	<i>Pseudocotalpa giulianii</i>	<C2	N			Y	1983
Max. distance: 5.0 mi.					(Giuliani's dune scarab)						
ANTELOPE VALLEY (ELKO/WHITE PINE CO)											
Site: DOLLY VARDEN SPRING	G1	S1		(1/4)	<i>Pyrgulopsis cruciglans</i>					Y	1998
Ranks: B1 P1 M1					(transverse gland springsnail)						
Code: S.USNVHP*566											
Owners known: p											
possible:											
Elev.: 5680-5680 ft.											
Max. distance: 0.0 mi.											
ANTELOPE VALLEY (EUREKA CO) MACROSITE											
Site: SULLIVAN SPRING	G1	S1		(1/1)	<i>Pyrgulopsis pellita</i>					Y	1994
Ranks: B1 P1 M1					(Antelope Valley springsnail)						
Code: S.USNVHP*585											
Owners known: p											
possible: f											
Elev.: 6800-6800 ft.											
Max. distance: 0.0 mi.											
BIG SMOKY VALLEY NORTH MACROSITE											
Site: ALKALI FLAT	G2Q	S2		(1/28)	<i>Asclepias eastwoodiana</i>	<C2	N	S		Y	1932
Ranks: B1 P2 M2					(Eastwood milkweed)						
Code: S.USWRO1*1527											
Owners known: pb	G4	S3?	\	(1/35)	<i>Brachylagus idahoensis</i>	<C2			YES		1946
possible: lfn					(pygmy rabbit)						
Elev.: 5480-6000 ft.	G4T1	S1		(1/1)	<i>Gila bicolor</i> ssp.	<C2	P		YES	Y	1991
Max. distance: 19.2 mi.					(Big Smoky Valley tui chub)						
	G3?	S3?		(1/10)	<i>Oxytheca watsonii</i>						1993
					(Watson spinecup)						
	G5T2	S2		(2/10)	<i>Polites sabuleti basinensis</i>					Y	1984
					(pallid skipper)						
	G4T?Q	S2S3		(2/78)	<i>Rana luteiventris</i> pop	C	S	S			1938
					(Columbia spotted frog (Great Basin pop						
Site: CHARNOCK RANCH	G4T1Q	S1		(4/4)	<i>Gila bicolor</i> ssp.					Y	1991
Ranks: B1 P1 M1					(Charnock Springs tui chub)						
Code: S.USNVHP*345											
Owners known: pb	G5T1	S1		(3/4)	<i>Rhinichthys osculus lariversi</i>		P		YES	Y	1991
possible:					(Big Smoky Valley speckled dace)						
Elev.: 5470-5495 ft.											
Max. distance: .5 mi.											
Site: DARROUGHS HOT SPRINGS	G5T1	S1		(1/4)	<i>Rhinichthys osculus lariversi</i>		P		YES	Y	1984
Ranks: B1 P1 M1					(Big Smoky Valley speckled dace)						
Code: S.USWRO1*880											
Owners known: p											
possible: f											
Elev.: 5600-5600 ft.											
Max. distance: 0.0 mi.											
CARICO LAKE VALLEY MACROSITE											
Site: CARICO LAKE	G1	S1		(1/2)	<i>Pyrgulopsis basiglans</i>					Y	1998
Ranks: B1 P1 M1					(large gland Carico springsnail)						
Code: S.USNVHP*582											
Owners known: bp	G1	S1		(1/1)	<i>Pyrgulopsis bifurcata</i>					Y	1991
possible:					(small gland Carico springsnail)						
Elev.: 5100-5320 ft.											
Max. distance: 1.4 mi.											
Site: COOKS CREEK	G1	S1		(1/2)	<i>Pyrgulopsis basiglans</i>					Y	1991
Ranks: B1 P1 M1					(large gland Carico springsnail)						
Code: S.USNVHP*583											
Owners known: b											
possible: p											
Elev.: 5360-5360 ft.											
Max. distance: 0.0 mi.											

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
CARSON FRONT MACROSITE											
Site: CARSON RANGE NORTH	G3T2Q	S2		(9/38)	<i>Arabis rigidissima</i> var. <i>demota</i> (Galena Creek rockcress)	RA		S,L			1989
Ranks: B1 P2 M2 Code: S.USNVHP*476											
Owners known: fpl possible: b	G2G3Q	S2S3	\\	(2/127)	<i>Eriogonum robustum</i> (altered andesite buckwheat)	<C2	N			Y	1998
Elev.: 5700-9100 ft. Max. distance: 8.3 mi.	G2T2	S1	\	(3/6)	<i>Ivesia aperta</i> var. <i>aperta</i> (Sierra Valley ivesia)	<C2	N,C	S,C			1998
	G2	S1	\	(1/7)	<i>Ivesia webberi</i> (Webber ivesia)	<C2	N,C	S,C	CE#		1997
	G4T3	S3		(1/137)	<i>Oncorhynchus clarki henshawi</i> (Lahontan cutthroat trout)	LT	S	T	YES		1990
	G3Q	S1		(3/6)	<i>Pinus washoensis</i> (Washoe pine)		N		CY		1996
	G2G3	S2S3	\	(2/11)	<i>Plagiobothrys glomeratus</i> (altered andesite popcornflower)					Y	1998
	G3T1	S1		(1/13)	<i>Speyeria nokomis carsonensis</i> (Carson Valley silverspot)	<C2	N				1958
Site: GALENA CREEK COUNTY PARK	G4G5T1Q	S1		(5/8)	<i>Arabis rectissima</i> var. <i>simulans</i> (Washoe tall rockcress)					P	1996
Ranks: B1 P1 M1 Code: S.USNVHP*242											
Owners known: cpf possible: n	G3Q	S1		(1/6)	<i>Pinus washoensis</i> (Washoe pine)		N		CY		1971
Elev.: 6035-7700 ft. Max. distance: 2.4 mi.											
Site: SPOONER SUMMIT	G4G5T1Q	S1		(2/8)	<i>Arabis rectissima</i> var. <i>simulans</i> (Washoe tall rockcress)					P	1996
Ranks: B2 P2 M1 Code: S.USNVHP*479											
Owners known: fpn possible: t	G5T3T4	S2		(1/6)	<i>Elgaria coerulea palmeri</i> (Sierra alligator lizard)						1993
Elev.: 5600-7850 ft. Max. distance: 2.5 mi.	G5T3?	S2		(1/8)	<i>Euphydryas editha monoensis</i> (Mono checkerspot)	<C2	N				1990
	G5T3T4Q	S3		(1/2)	<i>Lepus americanus tahoensis</i> (Sierra Nevada snowshoe hare)	<C2			YES		1950
	G3T3	S1N		(1/3)	<i>Strix occidentalis occidentalis</i> (California Spotted Owl)	<C2		S,I,L	YES		1993
CLOVER VALLEY MACROSITE											
Site: BRADISH SPRING	G5T1	S1	=	(1/3)	<i>Rhinichthys osculus oligoporus</i> (Clover Valley speckled dace)	LE	S		YES	Y	1994
Ranks: B1 P1 M1 Code: S.USNVHP*524											
Owners known: p possible:											
Elev.: 5800-5800 ft. Max. distance: 0.0 mi.											
Site: WARM CREEK RANCH	G5T1	S1	=	(1/3)	<i>Rhinichthys osculus oligoporus</i> (Clover Valley speckled dace)	LE	S		YES	Y	1988
Ranks: B1 P1 M1 Code: S.USNVHP*42											
Owners known: pb possible:											
Elev.: 5800-5800 ft. Max. distance: 0.0 mi.											
Site: WRIGHT RANCH	G5T1	S1	=	(1/3)	<i>Rhinichthys osculus oligoporus</i> (Clover Valley speckled dace)	LE	S		YES	Y	1983
Ranks: B1 P1 M1 Code: S.USWRO1*578											
Owners known: p possible:											
Elev.: 5780-5780 ft. Max. distance: 0.0 mi.											
DELANO MOUNTAINS MACROSITE											
Site: CRITTENDEN SPRINGS	G1	S1		(2/2)	<i>Pyrgulopsis lentiglans</i> (Crittenden springsnail)					Y	1992
Ranks: B1 P1 M1 Code: S.USNVHP*77											
Owners known: p possible: n											
Elev.: 5240-5280 ft. Max. distance: 1.1 mi.											

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
FISH CREEK VALLEY MACROSITE											
Site: FISH CREEK SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*460 Owners known: p possible: Elev.: 6020-6020 ft. Max. distance: 0.0 mi.	G4T1Q	S1		(1/1)	Gila bicolor euchila (Fish Creek Springs tui chub)	<C2	P		YES	Y	1985
FISH LAKE VALLEY MACROSITE											
Site: MCNETT RANCH Ranks: B1 P1 M1 Code: S.USNVHP*461 Owners known: p possible: Elev.: 4795-4795 ft. Max. distance: 0.0 mi.	G4T1Q	S1		(1/1)	Gila bicolor ssp. (Fish Lake Valley tui chub)	<C2	P		YES	Y	1991
GABBS VALLEY MACROSITE											
Site: COLD SPRINGS (GABBS VALLEY) Ranks: B1 P1 M1 Code: S.USNVHP*464 Owners known: bp possible: n Elev.: 4150-4300 ft. Max. distance: 11.1 mi.	G5T1	S1		(1/2)	Astragalus lentiginosus var. sesquimetrali RA (Sodaville milkvetch)		S		CE		1992
	G3?	S3?		(2/10)	Oxytheca watsonii (Watson spinecup)						1980
HAMLIN VALLEY MACROSITE											
Site: BIG SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*590 Owners known: p possible: Elev.: 5560-5560 ft. Max. distance: 1.5 mi.	G1	S1		(1/1)	Pyrgulopsis anguina (longitudinal gland springsnail)						1992
	G2	S1		(1/2)	Pyrgulopsis peculiaris (bifid duct springsnail)						1998
HOT CREEK VALLEY/PALISADE MACROSITE											
Site: TWIN SPRINGS RANCH Ranks: B1 P1 M1 Code: S.USNVHP*27 Owners known: bp possible: Elev.: 5050-5200 ft. Max. distance: 5.9 mi.	G4T1Q	S1		(1/6)	Gila bicolor ssp. (Railroad Valley tui chub)	<C2	P		YES	Y	1991
	G4T1Q	S1		(2/2)	Gila bicolor ssp. (Hot Creek Valley tui chub)	<C2	N		YES	Y	1983
	G1G2Q	S1		(2/3)	Sclerocactus blainei (Blaine pincushion)	<C2	N		CY	P	1980
Site: WARM SPRINGS Ranks: B1 P2 M2 Code: S.USNVHP*44 Owners known: b possible: Elev.: 5300-5760 ft. Max. distance: 12.7 mi.	G3G4T2?Q	S2?		(1/15)	Cymopterus ripleyi var. ripleyi (Ripley biscuitroot)						1942
	G1Q	S1		(1/2)	Sclerocactus nyensis (Tonopah fishhook cactus)		N		CY	Y	1983
INDEPENDENCE VALLEY MACROSITE											
Site: WARM SPRINGS RANCH (ELKO CO) Ranks: B1 P1 M1 Code: S.USNVHP*261 Owners known: pb possible: Elev.: 5615-5615 ft. Max. distance: 0.0 mi.	G4T1Q	S1		(1/1)	Gila bicolor isolata (Independence Valley tui chub)	<C2	N		YES	Y	1992
	G5T1	S1	=	(1/1)	Rhinichthys osculus lethoporus (Independence Valley speckled dace)	LE	S		YES	Y	1983
KNOLL MOUNTAIN MACROSITE											
Site: EAGLE FLAT Ranks: B1 P1 M1 Code: S.USNVHP*241 Owners known: b possible: n Elev.: 5700-6100 ft. Max. distance: 3.2 mi.	G1G2	S1S2		(3/9)	Arabis falcifructa (Elko rockcress)	<C2	N			Y	1992

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Knoll Mountain Macrosite continued:											
Site: EAGLE FLAT SOUTH Ranks: B2 P1 M1 Code: S.USNVHP*455 Owners known: b possible: n Elev.: 5900-5970 ft. Max. distance: 2.7 mi.	G1G2	S1S2		(2/9)	<i>Arabis falcifructa</i> (Elko rockcress)	<C2	N			Y	1992
KOBEH VALLEY MACROSITE											
Site: HOT SPRING HILL Ranks: B1 P1 M1 Code: S.USWRO1*14 Owners known: b possible: Elev.: 6110-6130 ft. Max. distance: .3 mi.	G5T2	S2		(1/9)	<i>Astragalus calycosus</i> var. <i>monophyllidius</i> (one-leaflet Torrey milkvetch)						1981
	G1Q	S1		(1/2)	<i>Castilleja salsuginosa</i> (Monte Neva paintbrush)		S		CE	Y	1997
LAKE MEAD MACROSITE											
Site: BLUE POINT SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*666 Owners known: k possible: n Elev.: 1440-2630 ft. Max. distance: 4.5 mi.	G3	S3	\\	(1/92)	<i>Arctomecon californica</i> (Las Vegas bearpoppy)	<C2	S		CE		1987
	G2	S1		(2/6)	<i>Cirsium virginense</i> (Virgin River thistle)	<C2					1982
	G2	S2		(1/8)	<i>Crossidium seriatum</i>						1998
	G2G3	S1	=	(1/12)	<i>Didymodon nevadensis</i> (Gold Butte moss)		N				1998
	G2G3	S1?		(1/3)	<i>Enceliopsis argophylla</i> (silverleaf sunray)		N				1979
	G3	S3		(1/84)	<i>Perityle intricata</i> (delicate rockdaisy)						1977
	GH	SH	\	(1/1)	<i>Pyrgulopsis coloradensis</i> (Blue Point springsnail)					Y	1993
	G1	S1		(4/7)	<i>Rana onca</i> (relict leopard frog)				YES		1994
Site: HOOVER DAM Ranks: B1 P1 M1 Code: S.USNVHP*440 Owners known: k possible: Elev.: 675-1510 ft. Max. distance: 5.4 mi.	G4T4	S2		(1/76)	<i>Heloderma suspectum cinctum</i> (banded Gila monster)	<C2NL	S		YES		1977
	G1	S1		(3/7)	<i>Rana onca</i> (relict leopard frog)				YES		1998
Site: LAKE MEAD (AQUATIC) Ranks: B1 P1 M2 Code: S.USWRO1*207 Owners known: n possible: k Elev.: 1180-1180 ft. Max. distance: 0.0 mi.	G1	S1	\	(1/10)	<i>Xyrauchen texanus</i> (razorback sucker)	LE	S	E	YES		1990
Site: OVERTON ARM Ranks: B1 P1 M2 Code: S.USNVHP*439 Owners known: knb possible: Elev.: 1200-1970 ft. Max. distance: 25.2 mi.	G3	S3	\\	(2/92)	<i>Arctomecon californica</i> (Las Vegas bearpoppy)	<C2	S		CE		1994
	G4?T2T3	S2S3		(4/45)	<i>Astragalus geyeri</i> var. <i>triquetrus</i> (threecorner milkvetch)	<C2	S		CE		1995
	G2	S2		(3/8)	<i>Crossidium seriatum</i>						1998
	G2G3	S1	=	(3/12)	<i>Didymodon nevadensis</i> (Gold Butte moss)		N				1998
	G2	S2		(7/37)	<i>Eriogonum viscidulum</i> (sticky buckwheat)	<C2	S		CE		1995
	G3	S3		(1/14)	<i>Pediomelum castoreum</i> (Beaver Dam breadroot)	<C2					1976
LAKE TAHOE BASIN MACROSITE											
Site: LAKE TAHOE (AQUATICS) Ranks: B1 P1 M1 Code: S.USNVHP*214 Owners known: n possible: t Elev.: 6000-6000 ft. Max. distance: 0.0 mi.	G1	S1		(1/1)	<i>Capnia lacustra</i> (Tahoe benthic stonefly)	<C2					1962

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Lake Tahoe Basin Macrosite continued:											
Site: LAKE TAHOE (BEACH)	G5	S2B		(1/1)	Pandion haliaetus		P		YES		1985
Ranks: B1 P1 M1 Code: S.USNVHP*219					(Osprey)						
Owners known: ptn possible:	G2	S1S2	\	(13/13)	Rorippa subumbellata	C	S	S,L	CE		1999
Elev.: 6200-6280 ft. Max. distance: 14.8 mi.					(Tahoe yellowcress)						
LAKE VALLEY MACROSITE											
Site: GEYSER	G5T2	S2	\=	(1/11)	Cercyonis pegala pluvialis	<C2	N				1992
Ranks: B1 P1 M1 Code: S.USNVHP*555					(White River wood nymph)						
Owners known: p possible:	G5T3	S3	\=	(1/21)	Polites sabuleti nigrescens					Y	1984
Elev.: 5080-5960 ft. Max. distance: 2.9 mi.					(dark sandhill skipper)						
	G1	S1		(1/1)	Pyrgulopsis sublata					Y	1992
					(Lake Valley springsnail)						
Site: GOUGE EYE WELL	G2G3	S2S3	\	(2/16)	Phacelia parishii	<C2	N				1995
Ranks: B2 P2 M1 Code: S.USNVHP*70					(Parish phacelia)						
Owners known: bp possible:											
Elev.: 5915-5922 ft. Max. distance: 3.4 mi.											
LAMOILLE/PLEASANT VALLEY MACROSITE											
Site: RABBIT CREEK SITE	G1	S1		(1/2)	Pyrgulopsis leporina					Y	1991
Ranks: B1 P1 M1 Code: S.USNVHP*586					(Elko springsnail)						
Owners known: p possible: n											
Elev.: 5600-5600 ft. Max. distance: 0.0 mi.											
LAS VEGAS MACROSITE											
Site: APEX	G3	S3	\\	(10/92)	Arctomecon californica	<C2	S		CE		1999
Ranks: B1 P1 M1 Code: S.USWRO1*772					(Las Vegas bearpoppy)						
Owners known: bd possible: np	G4T4	S2		(1/76)	Heloderma suspectum cinctum	<C2NL	S		YES		1992
Elev.: 1930-2520 ft. Max. distance: 6.4 mi.					(banded Gila monster)						
	G3T3Q	S3		(1/51)	Penstemon bicolor ssp. roseus	<C2		S			1992
Site: CORN CREEK SPRINGS	G5	S3B	=	(1/25)	Antrozous pallidus			I			1962
Ranks: B1 P1 M1 Code: S.USWRO1*365					(pallid bat)						
Owners known: wp possible: db	G5T3	S1B		(1/12)	Coccyzus americanus occidentalis		P	I	YES		1978
Elev.: 2918-2920 ft. Max. distance: 1.7 mi.					(Western Yellow-billed Cuckoo)						
	G4	S3B	\	(1/80)	Corynorhinus townsendii	(PS)	N	S,I,L			1962
					(Townsend's big-eared bat)						
	GLT1	S1	\\	(1/3)	Empetrichthys latos latos	LE	S		YES	Y	1996
					(Pahrump poolfish)						
	G5T2	S1B		(1/6)	Empidonax traillii extimus	LE	S	E	YES		1962
					(Southwestern Willow Flycatcher)						
	G5	S3N		(1/19)	Lasionycteris noctivagans						1964
					(silver-haired bat)						
	G5	S3?	=	(1/9)	Lasiurus cinereus	(PS)					1965
					(hoary bat)						
	G5	S3B		(1/74)	Myotis ciliolabrum	<C2	N				1963
					(western small-footed myotis)						
	G5	S4B	=	(1/81)	Myotis volans	<C2	N				1962
					(long-legged myotis)						
	G1	S1		(2/2)	Pyrgulopsis fausta					Y	1992
					(Corn Creek springsnail)						

Site information	Grank	Strank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Site: LAS VEGAS METROPOLITAN	G3	S3	\\	(19/92)	<i>Arctomecon californica</i>	<C2	S		CE		2000
Ranks: B1 P1 M1 Code: S.USNVHP*486					(Las Vegas bearpoppy)						
Owners known: pbnd possible:	G3	S3	\	(7/129)	<i>Arctomecon merriamii</i>	<C2	N	S			1998
Elev.: 1695-4350 ft. Max. distance: 21.6 mi.					(white bearpoppy)						
	G3G4	S1S2		(2/13)	<i>Bufo microscaphus</i>		N				1923
					(southwestern toad)						
	G2	S1		(1/4)	<i>Calochortus striatus</i>	<C2	N,C	C			1905
					(alkali mariposa lily)						
	G5T3	S1B		(1/12)	<i>Coccyzus americanus occidentalis</i>		P	I	YES		1984
					(Western Yellow-billed Cuckoo)						
	GHQ	SH	\	(1/3)	<i>Cryptantha insolita</i>	<C2*	S		CE	Y	1905
					(unusual catseye)						
	G5T3?	S1S2		(27/29)	<i>Eriogonum corymbosum</i> var. <i>glutinosum</i>		N				1999
					(golden buckwheat)						
	G4	S1S2		(5/14)	<i>Euderma maculatum</i>	<C2	S	S	YES		1990
					(spotted bat)						
	G5T4	S1		(1/1)	<i>Eumops perotis californicus</i>	<C2	N				1966
					(greater western mastiff bat)						
	G4	S2		(1/6)	<i>Falco peregrinus</i>		S	E	YES		1990
					(Peregrine Falcon)						
	G4T4	S2		(2/76)	<i>Heloderma suspectum cinctum</i>	<C2NL	S		YES		1991
					(banded Gila monster)						
	G5	S3N		(1/19)	<i>Lasionycteris noctivagans</i>						1965
					(silver-haired bat)						
	G5	S3?	=	(1/9)	<i>Lasiurus cinereus</i>	(PS)					1964
					(hoary bat)						
	G3T2Q	S2	\	(9/34)	<i>Penstemon bicolor</i> ssp. <i>bicolor</i>	<C2	N	S		P	1993
					(yellow twotone beardtongue)						
	G3T3Q	S3		(2/51)	<i>Penstemon bicolor</i> ssp. <i>roseus</i>	<C2		S			1993
					(rosy twotone beardtongue)						
	G2G3	S2S3	\	(1/16)	<i>Phacelia parishii</i>	<C2	N				1979/ 1995
					(Parish phacelia)						
	G5T?	S1		(1/3)	<i>Rallus longirostris yumanensis</i>	LE			YES		1959
					(Yuma Clapper Rail)						

MOAPA VALLEY MACROSITE

Site: LOGANDALE/OVERTON	G1?	S1		(1/1)	<i>Aegialia knighti</i>					Y	1996
Ranks: B1 P2 M1 Code: S.USNVHP*45					(aegialian scarab beetle)						
Owners known: bknp possible:	G4?T2T3	S2S3		(5/45)	<i>Astragalus geyeri</i> var. <i>triquetrus</i>	<C2	S		CE		1995
Elev.: 1000-2000 ft. Max. distance: 13.1 mi.					(threecorner milkvetch)						
	G2	S1		(1/6)	<i>Cirsium virginense</i>	<C2					1995
					(Virgin River thistle)						
	G5T3	S1B		(1/12)	<i>Coccyzus americanus occidentalis</i>		P	I	YES		1971
					(Western Yellow-billed Cuckoo)						
	G1T1Q	S1		(1/9)	<i>Gila seminuda</i> pop		P		YES	Y	1972/ 1994
					(Virgin River chub (Muddy River pop.))						
	G2Q	S2		(1/12)	<i>Helianthus deserticola</i>						1938
					(desert sunflower)						
	G4T4	S2		(2/76)	<i>Heloderma suspectum cinctum</i>	<C2NL	S		YES		1992
					(banded Gila monster)						
	G2G3	S1		(1/2)	<i>Hesperopsis gracieae</i>	<C2	N				1988
					(MacNeill sooty wing)						
	G5TU	S2N		(1/4)	<i>Ixobrychus exilis hesperis</i>	<C2			YES		1987
					(Western Least Bittern)						
	G5	S2B		(1/4)	<i>Phainopepla nitens</i>		N		YES		1954
					(Phainopepla)						
	G5T?	S1		(1/3)	<i>Rallus longirostris yumanensis</i>	LE			YES		1999
					(Yuma Clapper Rail)						

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Site: MOAPA Ranks: B1 P1 M1 Code: S.USWRO1*1427 Owners known: bnpi possible: Elev.: 1330-2400 ft. Max. distance: 15.0 mi.	G4?T2T3	S2S3		(8/45)	Astragalus geyeri var. triquetrus (threecorner milkvetch)	<C2	S		CE		1995
	G3	S3	\	(2/24)	Astragalus nyensis (Nye milkvetch)					Y	1987
	G3G4	S1S2		(1/13)	Bufo microscaphus (southwestern toad)		N				1951
	G2T2	S2		(2/7)	Crenichthys baileyi moapae (Moapa White River springfish)	<C2			YES	Y	1941
	G2	S2		(6/37)	Eriogonum viscidulum (sticky buckwheat)	<C2	S		CE		1995
	G1T1Q	S1		(5/9)	Gila seminuda pop (Virgin River chub (Muddy River pop.))		P		YES	Y	1995
	G4T4	S2		(1/76)	Heloderma suspectum cinctum (banded Gila monster)	<C2NL	S		YES		1964
	G2G3	S1		(1/2)	Hesperopsis graciellae (MacNeill sooty wing)	<C2	N				1978
	G5	S3N		(1/19)	Lasionycteris noctivagans (silver-haired bat)						1964
	G3	S3		(2/14)	Pediomelum castoreum (Beaver Dam breadroot)	<C2					1991
	G3T3Q	S3		(1/51)	Penstemon bicolor ssp. roseus (rosy twotone beardtongue)	<C2		S			1972
	G5	S2B		(2/4)	Phainopepla nitens (Phainopepla)		N		YES		1997
	G1	S1		(1/2)	Plagopterus argentissimus (woundfin)	LEXN	S		YES		1963
	G5T1	S1		(2/3)	Rhinichthys osculus moapae (Moapa speckled dace)	<C2	P		YES	Y	1978
Site: MOAPA VALLEY SPRINGS Ranks: B1 P1 M1 Code: S.USWRO1*1659 Owners known: pwn possible: b Elev.: 1172-1830 ft. Max. distance: 2.8 mi.	G4	S3B	\	(1/80)	Corynorhinus townsendii (Townsend's big-eared bat)	(PS)	N	S,I,L			1953
	G2T2	S2		(5/7)	Crenichthys baileyi moapae (Moapa White River springfish)	<C2			YES	Y	1986
	G1T1Q	S1		(3/9)	Gila seminuda pop (Virgin River chub (Muddy River pop.))		P		YES	Y	1994/ 1995
	G5	S3N		(1/19)	Lasionycteris noctivagans (silver-haired bat)						1969
	G5	S1		(1/1)	Lasiurus xanthinus (Western yellow bat)						1999
	G1	S1		(1/1)	Limnocoris moapensis (Warm Springs naucorid)					Y	1951
	G1	S1	\	(6/6)	Moapa coriacea (Moapa dace)	LE	S		YES	Y	1994
	G1G3T1	S1		(3/4)	Pelocoris shoshone shoshone (Pahranagat naucorid bug)		N			Y	1994
	G1G2	S1S2		(7/7)	Pyrgulopsis avernalis (Moapa pebblesnail)	<C2				Y	1994
	G1	S1		(5/5)	Pyrgulopsis carinifera (Moapa Valley springsnail)					Y	1998
	G5T1	S1		(1/3)	Rhinichthys osculus moapae (Moapa speckled dace)	<C2	P		YES	Y	1978
	G1	S1		(1/1)	Stenelmis moapa (Moapa Warm Spring riffle beetle)	<C2	N			Y	1948
	G4	S1S2		(1/2)	Stenelmis occidentalis (riffle beetle)						1986
	G2	S2	\	(7/9)	Tryonia clathrata (grated tryonia)	<C2	N			Y	1994

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
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MONTANA MTNS/DOUBLE H MTNS MACROSITE

Site: THACKER PASS	G1	S1		(2/2)	Pyrgulopsis imperialis (Kings River springsnail)					Y	1991
Ranks: B1 P1 M1											
Code: S.USNVHP*571											
Owners known: p											
possible: n											
Elev.: 4440-4560 ft.											
Max. distance: .2 mi.											

PAH RAH RANGE MACROSITE

Site: WARM SPRINGS VALLEY	G3G4T1	S1	\	(2/3)	Pseudocopaodes eunus obscurus (Carson alkali skipperling)	C				P	1998
Ranks: B1 P1 M1											
Code: S.USNVHP*641											
Owners known: bp											
possible:											
Elev.: 4248-4265 ft.											
Max. distance: 1.4 mi.											

PAHRANAGAT VALLEY MACROSITE

Site: ASH SPRINGS/PAHRANAGAT RIVER	G2T1	S1	=	(2/2)	Crenichthys baileyi baileyi (White River springfish)	LE	S		YES	Y	2000
Ranks: B1 P1 M1											
Code: S.USWRO1*407											
Owners known: pb	G2G3T1Q	S1		(2/2)	Gila robusta jordani (Pahranagat roundtail chub)	LE	S		YES	Y	1995
possible:											
Elev.: 3480-3680 ft.	G4T4	S2		(1/76)	Heloderma suspectum cinctum (banded Gila monster)	<C2NL	S		YES		1995
Max. distance: 2.9 mi.											
	G5T2	S2		(1/6)	Microtus montanus fucosus (Pahranagat Valley montane vole)	<C2	N			Y	1981
	G1G3T1	S1		(1/4)	Pelocoris shoshone shoshone (Pahranagat naucorid bug)		N			Y	1949
	G1	S1		(1/6)	Pyrgulopsis merriami (Pahranagat pebblesnail)	<C2	N			Y	1994
	G5T1Q	S1		(3/5)	Rhinichthys osculus velifer (Pahranagat speckled dace)	<C2	P		YES	Y	1987
	G4	S1S2		(1/2)	Stenelmis occidentalis (riffle beetle)						1986
	G2	S2	\	(1/9)	Tryonia clathrata (grated tryonia)	<C2	N			Y	1992
Site: CRYSTAL SPRINGS (LINCOLN CO)	G2T1	S1	=	(1/3)	Crenichthys baileyi grandis (Hiko White River springfish)	LE	S		YES	Y	1995
Ranks: B1 P1 M1											
Code: S.USWRO1*820											
Owners known: p	G5T2	S2		(1/6)	Microtus montanus fucosus (Pahranagat Valley montane vole)	<C2	N			Y	1946
possible: n											
Elev.: 3600-4000 ft.	G1	S1		(1/2)	Pyrgulopsis hubbsi (Hubbs springsnail)					Y	1998
Max. distance: 2.1 mi.											
	G1	S1		(1/6)	Pyrgulopsis merriami (Pahranagat pebblesnail)	<C2	N			Y	1973
	G5T1Q	S1		(2/5)	Rhinichthys osculus velifer (Pahranagat speckled dace)	<C2	P		YES	Y	1991
Site: HIKO	G2T1	S1	=	(1/3)	Crenichthys baileyi grandis (Hiko White River springfish)	LE	S		YES	Y	1994
Ranks: B1 P1 M1											
Code: S.USWRO1*191											
Owners known: pn	G5T2	S2		(1/6)	Microtus montanus fucosus (Pahranagat Valley montane vole)	<C2	N			Y	1946
possible: b											
Elev.: 3860-4000 ft.	G5	S2B		(1/4)	Phainopepla nitens (Phainopepla)		N		YES		1965
Max. distance: 1.7 mi.											
	G1	S1		(1/2)	Pyrgulopsis hubbsi (Hubbs springsnail)					Y	1986
	G1	S1		(1/6)	Pyrgulopsis merriami (Pahranagat pebblesnail)	<C2	N			Y	1973

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Site: PAHRANAGAT NWR Ranks: B1 P1 M1 Code: S.USNVHP*262 Owners known: w possible: Elev.: 3160-3400 ft. Max. distance: 9.9 mi.	G4T4	S2		(1/76)	<i>Heloderma suspectum cinctum</i> (banded Gila monster)	<C2NL	S		YES		1979
	G5T2	S2		(3/6)	<i>Microtus montanus fucosus</i> (Pahranagat Valley montane vole)	<C2	N			Y	1993
	G1Q	S1	\	(3/3)	<i>Rhinichthys</i> sp. (Pahranagat dace)					Y	1992
PAHRUMP VALLEY MACROSITE											
Site: PAHRUMP Ranks: B1 P1 M1 Code: S.USNVHP*329 Owners known: bp possible: Elev.: 2490-2648 ft. Max. distance: 14.2 mi.	G2G3	S2S3		(25/47)	<i>Eriogonum bifurcatum</i> (Pahrump Valley buckwheat)	<C2	N				1998
	G2	S2		(1/17)	<i>Eriogonum concinnum</i> (Darin buckwheat)					Y	1970
	G2?	S1		(1/4)	<i>Eriogonum contiguum</i> (Amargosa buckwheat)						1971
	G4T4	S2		(1/76)	<i>Heloderma suspectum cinctum</i> (banded Gila monster)	<C2NL	S		YES		1996
	G2G3	S2S3	\	(3/16)	<i>Phacelia parishii</i> (Parish phacelia)	<C2	N				1995
Site: STEWART VALLEY (NYE CO) Ranks: B1 P2 M2 Code: S.USNVHP*18 Owners known: bp possible: Elev.: 2297-3650 ft. Max. distance: 11.9 mi.	G3	S3	\	(4/129)	<i>Arctomecon merriamii</i> (white bearpoppy)	<C2	N	S			1998
	G3T3?	S2S3		(3/30)	<i>Astragalus mohavensis</i> var. <i>mohavensis</i> (Mojave milkvetch)						1998
	G3Q	S2		(2/3)	<i>Ephedra funerea</i> (Death Valley mormon tea)						1998
	G2G3	S2S3		(12/47)	<i>Eriogonum bifurcatum</i> (Pahrump Valley buckwheat)	<C2	N				1998
	G2?	S1		(1/4)	<i>Eriogonum contiguum</i> (Amargosa buckwheat)						1971
	G3	S3		(2/42)	<i>Gilia ripleyi</i> (Ripley gilia)						1998
	G2G3	S2S3	\	(1/16)	<i>Phacelia parishii</i> (Parish phacelia)	<C2	N				1998
	G3	S1		(3/4)	<i>Salvia funerea</i> (Death Valley sage)						1998
PILOT MOUNTAINS MACROSITE											
Site: BLUE LINK SPRING Ranks: B1 P1 M1 Code: S.USNVHP*213 Owners known: b possible: Elev.: 6440-6440 ft. Max. distance: 0.0 mi.	G2T1	S1	=	(1/3)	<i>Crenichthys baileyi grandis</i> (Hiko White River springfish)	LE	S		YES	Y	1999
PINE NUT MOUNTAINS MACROSITE											
Site: CHURCHILL NARROWS Ranks: B1 P1 M1 Code: S.USWRO1*1118 Owners known: bp possible: Elev.: 4300-4600 ft. Max. distance: 3.6 mi.	G1G2	S1S2		(12/12)	<i>Eriogonum</i> sp. (Churchill Narrows buckwheat)					Y	1997
Site: DOUBLE SPRING FLAT Ranks: B2 P1 M1 Code: S.USNVHP*305 Owners known: pb possible: nf Elev.: 5550-5950 ft. Max. distance: 5.9 mi.	G2	S1	\	(1/7)	<i>Ivesia webberi</i> (Webber ivesia)	<C2	N,C	S,C	CE#		1997
	G2G3	S2S3		(1/12)	<i>Penstemon rubicundus</i> (Wassuk beardtongue)					Y	1979
	G2Q	S2	\	(1/24)	<i>Polycatenium williamsiae</i> (Williams combleaf)	RA	S	I	CE		1998
	G3	S1		(1/4)	<i>Pyrgulopsis wongi</i> (Wong's springsnail)	<C2	N	I			1992

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
PLEASANT VALLEY MACROSITE											
Site: COYOTE SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*568 Owners known: p possible: Elev.: 4720-4720 ft. Max. distance: 0.0 mi.	G1	S1		(1/1)	<i>Pyrgulopsis aurata</i> (Pleasant Valley springsnail)					Y	1991
Site: PARIS RANCH Ranks: B1 P2 M2 Code: S.USNVHP*447 Owners known: bp possible: Elev.: 4150-4180 ft. Max. distance: 2.4 mi.	G3?	S3?		(1/29)	<i>Astragalus porrectus</i> (Lahontan milkvetch)					Y	1979
	G4T1Q	S1		(1/2)	<i>Gila bicolor</i> ssp. (Dixie Valley tui chub)	<C2				Y	1995
	G3?	S3?		(1/18)	<i>Phacelia glaberrima</i> (Reese River phacelia)					Y	1979
RAILROAD VALLEY MACROSITE											
Site: BLUE EAGLE Ranks: B1 P2 M2 Code: S.USNVHP*256 Owners known: bp possible: n Elev.: 4750-5300 ft. Max. distance: 4.2 mi.	G2	S1		(1/7)	<i>Astragalus uncialis</i> (Currant milkvetch)	<C2	N	S			1981
	G4T1Q	S1		(3/6)	<i>Gila bicolor</i> ssp. (Railroad Valley tui chub)	<C2	P		YES	Y	1981
	G4	S2S3		(2/14)	<i>Opuntia pulchella</i> (sand cholla)				CY		1987
	G5T2	S2		(1/10)	<i>Polites sabuleti basinensis</i> (pallid skipper)					Y	1983
	G3	S2		(1/6)	<i>Sphaeralcea caespitosa</i> (Jones globemallow)	<C2	N	S			1987
Site: CROWS NEST Ranks: B1 P2 M2 Code: S.USNVHP*421 Owners known: b possible: pn Elev.: 4860-4860 ft. Max. distance: 0.0 mi.	G2	S1		(1/7)	<i>Astragalus uncialis</i> (Currant milkvetch)	<C2	N	S			1980/ 1981
Site: CURRANT Ranks: B1 P2 M2 Code: S.USWRO1*1104 Owners known: bfp possible: n Elev.: 4770-6100 ft. Max. distance: 16.6 mi.	G3	S3		(2/7)	<i>Astragalus callithrix</i> (Callaway milkvetch)						1981
	G5T2	S2		(1/9)	<i>Astragalus calycosus</i> var. <i>monophyllidius</i> (one-leaflet Torrey milkvetch)						1979
	G2	S1		(1/7)	<i>Astragalus uncialis</i> (Currant milkvetch)	<C2	N	S			1983
	G3G4T2?Q	S2?		(2/15)	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i> (Ripley biscuitroot)						1980
	G3G4	S3S4		(1/4)	<i>Gilia heterostyla</i> (Cochrane gilia)					Y	1981
	G5T1	S1		(1/4)	<i>Hesperia uncas fulvapalla</i> (Railroad Valley skipper)	<C2	N			Y	1984
	G1G2Q	S1		(1/3)	<i>Sclerocactus blainei</i> (Blaine pincushion)	<C2	N		CY	P	1981
	G3	S2		(1/6)	<i>Sphaeralcea caespitosa</i> (Jones globemallow)	<C2	N	S			1979
Site: DUCKWATER INDIAN RESERVATION Ranks: B1 P1 M1 Code: S.USWRO1*595 Owners known: ipb possible: Elev.: 3380-5610 ft. Max. distance: 4.0 mi.	G2	S2		(2/10)	<i>Crenichthys nevadae</i> (Railroad Valley springfish)	LT	S	T	YES	Y	1992
	G4T1	S1		(1/1)	<i>Gila bicolor</i> ssp. (Duckwater Creek tui chub)	<C2				Y	1934/ 1981
	G5T1	S1		(1/4)	<i>Hesperia uncas fulvapalla</i> (Railroad Valley skipper)	<C2	N			Y	1984
	G5T2	S2		(1/10)	<i>Polites sabuleti basinensis</i> (pallid skipper)					Y	1983
	G1	S1		(2/2)	<i>Pyrgulopsis aloba</i> (Duckwater springsnail)					Y	1994
	G1	S1		(1/1)	<i>Pyrgulopsis anatina</i> (southern Duckwater springsnail)					Y	1994

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Duckwater Indian Reservation continued:	G1	S1		(2/2)	<i>Pyrgulopsis papillata</i> (Big Warm Spring springsnail)					Y	1973
	G1	S1		(2/2)	<i>Pyrgulopsis villacampae</i> (Duckwater warm springs springsnail)					Y	1973
Site: LOCKES	G2Q	S2		(1/28)	<i>Asclepias eastwoodiana</i> (Eastwood milkweed)	<C2	N	S		Y	1980
Ranks: B1 P1 M1 Code: S.USWRO1*1287	G5T2	S2		(1/9)	<i>Astragalus calycosus</i> var. <i>monophyllidius</i> (one-leaflet Torrey milkvetch)						1980
Owners known: bpn possible:	G2	S1		(3/7)	<i>Astragalus uncialis</i> (Currant milkvetch)	<C2	N	S			1981
Elev.: 4725-5350 ft. Max. distance: 9.0 mi.	G2	S2		(5/10)	<i>Crenichthys nevadae</i> (Railroad Valley springfish)	LT	S	T	YES	Y	1992
	G3G4T2?Q	S2?		(1/15)	<i>Cymopterus ripleyi</i> var. <i>ripleyi</i> (Ripley biscuitroot)						1981
	G5T1	S1		(2/4)	<i>Hesperia uncas fulvapalla</i> (Railroad Valley skipper)	<C2	N			Y	1990
	G5T3T4	S3		(2/31)	<i>Machaeranthera grindelioides</i> var. <i>depressa</i> (rayless tansy aster)						1979
	G5T2	S2		(1/10)	<i>Polites sabuleti basinensis</i> (pallid skipper)					Y	1984
	G1	S1		(1/1)	<i>Pyrgulopsis lockensis</i> (Lockes springsnail)					Y	1992
	G3	S2		(4/6)	<i>Sphaeralcea caespitosa</i> (Jones globemallow)	<C2	N	S			1989
Site: RAILROAD VALLEY NORTH	G2	S2		(1/6)	<i>Astragalus eurylobus</i> (Needle Mountains milkvetch)	<C2	N				1983
Ranks: B1 P2 M2 Code: S.USNVHP*163	G4T1Q	S1		(2/6)	<i>Gila bicolor</i> ssp. (Railroad Valley tui chub)	<C2	P		YES	Y	1988
Owners known: bp possible:											
Elev.: 5750-6120 ft. Max. distance: 10.4 mi.											

RENO/PEAVINE MACROSITE

Site: NEVADA CENTRAL MINE	G2G3Q	S2S3	\	(12/127)	<i>Eriogonum robustum</i> (altered andesite buckwheat)	<C2	N			Y	1995
Ranks: B1 P2 M2 Code: S.USNVHP*483	G2G3	S2S3	\	(1/11)	<i>Plagiobothrys glomeratus</i> (altered andesite popcornflower)					Y	1999
Owners known: fp possible:											
Elev.: 5480-6330 ft. Max. distance: 1.7 mi.											
Site: PANTHER/SUN VALLEY	G2G3Q	S2S3	\	(15/127)	<i>Eriogonum robustum</i> (altered andesite buckwheat)	<C2	N			Y	1997
Ranks: B1 P1 M1 Code: S.USNVHP*485	G2G3	S2S3	\	(2/11)	<i>Plagiobothrys glomeratus</i> (altered andesite popcornflower)					Y	1998
Owners known: pbn possible:											
Elev.: 4780-5320 ft. Max. distance: 1.7 mi.											
Site: PEAVINE PEAK	G4	S3B	\	(1/80)	<i>Corynorhinus townsendii</i> (Townsend's big-eared bat)	(PS)	N	S,I,L			1966
Ranks: B1 P2 M2 Code: S.USNVHP*481	G2T2	S1	\	(1/6)	<i>Ivesia aperta</i> var. <i>aperta</i> (Sierra Valley ivesia)	<C2	N,C	S,C			1998
Owners known: pf possible: b	G2	S1	\	(4/7)	<i>Ivesia webberi</i> (Webber ivesia)	<C2	N,C	S,C	CE#		1997
Elev.: 5440-7800 ft. Max. distance: 4.6 mi.											
Site: RALEIGH HEIGHTS	G2G3Q	S2S3	\	(16/127)	<i>Eriogonum robustum</i> (altered andesite buckwheat)	<C2	N			Y	1997
Ranks: B1 P1 M1 Code: S.USNVHP*482	G2	S1	\	(1/7)	<i>Ivesia webberi</i> (Webber ivesia)	<C2	N,C	S,C	CE#		1997
Owners known: fp possible:											
Elev.: 5060-5840 ft. Max. distance: 2.0 mi.											
Site: RENO METROPOLITAN	G3	S2		(1/2)	<i>Agelaius tricolor</i> (Tricolored Blackbird)	<C2			YES		1972
Ranks: B3 P1 M1 Code: S.USNVHP*484	G3T3	S3		(3/6)	<i>Clemmys marmorata marmorata</i> (northwestern pond turtle)	<C2		C			1941
Owners known: pnb possible:	G4	S3B	\	(1/80)	<i>Corynorhinus townsendii</i> (Townsend's big-eared bat)	(PS)	N	S,I,L			1942
Elev.: 4380-4700 ft. Max. distance: 5.9 mi.											

Site information	Grank	Strank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Reno Metropolitan continued:	G5T3T4	S2		(1/6)	<i>Elgaria coerulea palmeri</i> (Sierra alligator lizard)						1988
	G4	S1S2		(3/14)	<i>Euderma maculatum</i> (spotted bat)	<C2	S	S	YES		1987
	G5T3?	S2		(1/8)	<i>Euphydryas editha monoensis</i> (Mono checkerspot)	<C2	N				1918
	G5	S4B	=	(1/2)	<i>Tadarida brasiliensis</i> (Brazilian free-tailed bat)						1997
RUBY VALLEY MACROSITE											
Site: PERSONS SPRING Ranks: B1 P1 M1 Code: S.USNVHP*587 Owners known: pb possible: fln Elev.: 6250-6440 ft. Max. distance: 9.2 mi.	G4	S3?	\	(1/35)	<i>Brachylagus idahoensis</i> (pygmy rabbit)	<C2			YES		1946
	G5T3	S3	\=	(1/21)	<i>Polites sabuleti nigrescens</i> (dark sandhill skipper)					Y	1981
	G1	S1		(1/2)	<i>Pyrgulopsis leporina</i> (Elko springsnail)					Y	1998
Site: SULPHUR HOT SPRINGS Ranks: B1 P2 M1 Code: S.USWRO1*542 Owners known: p possible: Elev.: 6030-6050 ft. Max. distance: 0.0 mi.	G1	S1		(1/1)	<i>Eriogonum argophyllum</i> (Sulphur Springs buckwheat)	RA	S		CE	Y	1990
SHEEP CREEK RANGE MACROSITE											
Site: WILLOW CREEK RESERVOIR Ranks: B1 P1 M1 Code: S.USNVHP*467 Owners known: pb possible: Elev.: 5398-5600 ft. Max. distance: 3.3 mi.	G5	S3B		(1/74)	<i>Myotis ciliolabrum</i> (western small-footed myotis)	<C2	N				1995
	G4T3	S3		(1/137)	<i>Oncorhynchus clarki henshawi</i> (Lahontan cutthroat trout)	LT	S	T	YES		1990
	G1	S1		(2/2)	<i>Pyrgulopsis vinyardi</i> (Vinyard's springsnail)					Y	1992
SODA SPRING VALLEY MACROSITE											
Site: SODAVILLE Ranks: B1 P1 M1 Code: S.USWRO1*477 Owners known: bp possible: Elev.: 4635-4705 ft. Max. distance: .3 mi.	G5T1	S1		(1/2)	<i>Astragalus lentiginosus</i> var. <i>sesquimetrali</i> (Sodaville milkvetch)	RA	S		CE		1992
	G2	S2		(1/10)	<i>Crenichthys nevadae</i> (Railroad Valley springfish)	LT	S	T	YES	Y	1996
STEPTOE VALLEY MACROSITE											
Site: COMINS LAKE Ranks: B2 P1 M1 Code: S.USNVHP*259 Owners known: p possible: b Elev.: 6370-6560 ft. Max. distance: 7.4 mi.	G5T2	S2	\=	(3/11)	<i>Cercyonis pegala pluvialis</i> (White River wood nymph)	<C2	N				1991
	G2G3	S2S3		(2/31)	<i>Relictus solitarius</i> (relict dace)	<C2	P		YES	Y	1972/ 1994
Site: CURRIE Ranks: B1 P1 M1 Code: S.USNVHP*563 Owners known: bp possible: n Elev.: 5870-5873 ft. Max. distance: 1.1 mi.	G5T3	S3	\=	(1/21)	<i>Polites sabuleti nigrescens</i> (dark sandhill skipper)					Y	1983
	G1	S1		(1/3)	<i>Pyrgulopsis serrata</i> (northern Steptoe springsnail)					Y	1998
Site: INDIAN RANCH Ranks: B1 P1 M1 Code: S.USWRO1*215 Owners known: bp possible: Elev.: 6000-6626 ft. Max. distance: 4.3 mi.	G4T2	S1		(1/8)	<i>Oncorhynchus clarki utah</i> (Bonneville cutthroat trout)	<C2	N	S	YES		1977
	G1	S1		(1/3)	<i>Pyrgulopsis serrata</i> (northern Steptoe springsnail)					Y	1991
Site: MCGILL Ranks: B1 P2 M1 Code: S.USNVHP*162 Owners known: pb possible: Elev.: 6030-6220 ft. Max. distance: 6.7 mi.	G5T2	S2	\=	(1/11)	<i>Cercyonis pegala pluvialis</i> (White River wood nymph)	<C2	N				1989
	G5T1	S1		(2/3)	<i>Phyciodes pascoensis arenacolor</i> (Steptoe Valley crescent-spot)	<C2	N			Y	1993

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
McGill continued:	G5T3	S3	\=	(1/21)	Polites sabuleti nigrescens (dark sandhill skipper)					Y	1983
	G2G3	S2S3		(1/31)	Relictus solitarius (relict dace)	<C2	P		YES	Y	1994
Site: MONTE NEVA HOT SPRINGS	G1Q	S1		(1/2)	Castilleja salsuginosa (Monte Neva paintbrush)		S		CE	Y	1995
Ranks: B1 P1 M1 Code: S.USWRO1*1651	G5T2	S2	\=	(1/11)	Cercyonis pegala pluvialis (White River wood nymph)	<C2	N				1993
Owners known: pb possible:	G5T1	S1		(1/3)	Phyciodes pascoensis arenacolor (Steptoe Valley crescent-spot)	<C2	N			Y	1993
Elev.: 5938-6000 ft. Max. distance: 1.0 mi.	G5T3	S3	\=	(1/21)	Polites sabuleti nigrescens (dark sandhill skipper)					Y	1983
	G2G3	S2S3		(1/31)	Relictus solitarius (relict dace)	<C2	P		YES	Y	1980/ 1991
Site: STEPTOE RANCH	G1	S1		(1/1)	Pyrgulopsis landyei (Landyes springsnail)					Y	1995
Ranks: B1 P1 M1 Code: S.USNVHP*258	G1	S1		(1/1)	Pyrgulopsis neritella (neritiform Steptoe Ranch springsnail)					Y	1995
Owners known: p possible: b	G1	S1		(2/2)	Pyrgulopsis orbiculata (sub-globose Steptoe Ranch springsnail)					Y	1980
Elev.: 6040-6140 ft. Max. distance: 2.8 mi.	G1	S1		(1/1)	Pyrgulopsis planulata (flat-topped Steptoe springsnail)					Y	1995
	G1	S1		(2/2)	Pyrgulopsis sulcata (southern Steptoe springsnail)					Y	1991
	G2G3	S2S3		(2/31)	Relictus solitarius (relict dace)	<C2	P		YES	Y	1994
Site: TWIN SPRINGS	G1	S1		(1/3)	Pyrgulopsis serrata (northern Steptoe springsnail)					Y	1998
Ranks: B1 P1 M1 Code: S.USWRO1*1381	G2G3	S2S3		(1/31)	Relictus solitarius (relict dace)	<C2	P		YES	Y	1994
Owners known: p possible:											
Elev.: 6200-6200 ft. Max. distance: 0.0 mi.											

STILLWATER RANGE MACROSITE

Site: SAND MOUNTAIN	G1	S1		(1/2)	Aegialia hardyi (Hardy's aegialian scarab)	<C2	N			Y	1994
Ranks: B1 P1 M1 Code: S.USWRO1*1344	G1?	S1		(1/2)	Coenonycha pygmaea (Sand Mountain pygmy scarab)					Y	1983
Owners known: b possible: p	GSG4T1	S1		(1/1)	Euphilotes pallescens arenamontana (Sand Mountain blue)	<C2	N			Y	1990
Elev.: 3900-4460 ft. Max. distance: 2.7 mi.	G2Q	S2		(2/12)	Helianthus deserticola (desert sunflower)						1978
	G2?	S2?		(1/4)	Myrmecocystus arenarius (dune honey ant)					Y	1979
	G2G3	S2S3		(2/68)	Oryctes nevadensis (oryctes)	<C2	N				1942
	G1	S1		(1/2)	Serica psammobunus (Sand Mountain serican scarab)	<C2	N			Y	1980

THOUSAND SPRINGS VALLEY/CREEK MACROSITE

Site: THOUSAND SPRINGS VALLEY	G3	S1?		(1/3)	Anodonta californiensis (California floater)	<C2	N	C			1989
Ranks: B2 P2 M1 Code: S.USWRO1*71	G5T3	S3	\=	(3/21)	Polites sabuleti nigrescens (dark sandhill skipper)					Y	1984
Owners known: p possible:											
Elev.: 5480-6040 ft. Max. distance: 11.6 mi.											
Site: TWENTYONE MILE RANCH	G1	S1		(1/1)	Pyrgulopsis millenaria (Twentyone Mile springsnail)					Y	1992
Ranks: B1 P1 M1 Code: S.USNVHP*597											
Owners known: p possible:											
Elev.: 5160-5160 ft. Max. distance: 0.0 mi.											

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
VIRGIN VALLEY MACROSITE											
Site: RIVERSIDE Ranks: B1 P2 M1 Code: S.USWRO1*918 Owners known: pb possible: n Elev.: 1400-1640 ft. Max. distance: 1.2 mi.	G4?T2T3	S2S3		(1/45)	<i>Astragalus geyeri</i> var. <i>triquetrus</i> (threecorner milkvetch)	<C2	S		CE		1979
	G3	S3	\	(1/24)	<i>Astragalus nyensis</i> (Nye milkvetch)					Y	1979
	G2	S2		(5/37)	<i>Eriogonum viscidulum</i> (sticky buckwheat)	<C2	S		CE		1995
Site: TOQUOP WASH Ranks: B1 P2 M2 Code: S.USWRO1*1142 Owners known: b possible: Elev.: 1540-1936 ft. Max. distance: 5.9 mi.	G4?T2T3	S2S3		(3/45)	<i>Astragalus geyeri</i> var. <i>triquetrus</i> (threecorner milkvetch)	<C2	S		CE		1995
	G3	S3	\	(1/24)	<i>Astragalus nyensis</i> (Nye milkvetch)					Y	1979
	G2	S2		(4/37)	<i>Eriogonum viscidulum</i> (sticky buckwheat)	<C2	S		CE		1995
	G4T4	S2		(1/76)	<i>Heloderma suspectum cinctum</i> (banded Gila monster)	<C2NL	S		YES		1993
	G3	S3		(1/14)	<i>Pediomelum castoreum</i> (Beaver Dam breadroot)	<C2					1991
Site: VIRGIN RIVER Ranks: B1 P1 M1 Code: S.USNVHP*443 Owners known: n possible: p Elev.: 1220-1575 ft. Max. distance: 11.5 mi.	G3G4	S1		(1/1)	<i>Catostomus latipinnis</i> (flannelmouth sucker)	<C2	N				1991
	G1	S1		(1/1)	<i>Gila seminuda</i> (Virgin River chub)	LENL	S		YES		1994
	G1T1	S1		(2/2)	<i>Lepidomeda mollispinis mollispinis</i> (Virgin River spinedace)	RA	N		YES		1938/ 1986
	G1	S1		(1/2)	<i>Plagopterus argentissimus</i> (woundfin)	LEXN	S		YES		1996
Site: VIRGIN RIVER UPLANDS Ranks: B1 P2 M1 Code: S.USWRO1*162 Owners known: bnkp possible: Elev.: 1100-2165 ft. Max. distance: 10.8 mi.	G4?T2T3	S2S3		(5/45)	<i>Astragalus geyeri</i> var. <i>triquetrus</i> (threecorner milkvetch)	<C2	S		CE		1995
	G3	S3	\	(2/24)	<i>Astragalus nyensis</i> (Nye milkvetch)					Y	1979
	G2	S1		(1/6)	<i>Cirsium virginense</i> (Virgin River thistle)	<C2					1994
	G2	S2		(9/37)	<i>Eriogonum viscidulum</i> (sticky buckwheat)	<C2	S		CE		1998
	G4T4	S2		(1/76)	<i>Heloderma suspectum cinctum</i> (banded Gila monster)	<C2NL	S		YES		1939
	G3	S3		(1/14)	<i>Pediomelum castoreum</i> (Beaver Dam breadroot)	<C2					1991
WHITE RIVER VALLEY MACROSITE											
Site: CAMP SPRING Ranks: B1 P1 M1 Code: S.USNVHP*249 Owners known: p possible: Elev.: 5180-5180 ft. Max. distance: 0.0 mi.	G1G2	S1S2		(1/6)	<i>Pyrgulopsis sathos</i> (White River Valley springsnail)					Y	1998
	G5T2T3Q	S2S3		(1/19)	<i>Rhinichthys osculus ssp.</i> (White River speckled dace)	<C2				Y	1991
Site: EMIGRANT SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*552 Owners known: p possible: Elev.: 5460-5480 ft. Max. distance: .6 mi.	G1	S1		(2/2)	<i>Pyrgulopsis gracilis</i> (Emigrant springsnail)					Y	1973
	G2	S2		(2/7)	<i>Pyrgulopsis marcida</i> (Hardy springsnail)					Y	1998
	G5T2T3Q	S2S3		(1/19)	<i>Rhinichthys osculus ssp.</i> (White River speckled dace)	<C2				Y	1991
Site: LUND Ranks: B1 P1 M1 Code: S.USWRO1*1323 Owners known: p possible: Elev.: 5598-5600 ft. Max. distance: 0.0 mi.	G3G4T1T2Q	S1S2	\	(1/4)	<i>Catostomus clarki intermedius</i> (White River desert sucker)	<C2	P		YES	Y	1991
	G1G2	S1S2		(1/6)	<i>Pyrgulopsis sathos</i> (White River Valley springsnail)					Y	1998
	G5T2T3Q	S2S3		(1/19)	<i>Rhinichthys osculus ssp.</i> (White River speckled dace)	<C2				Y	1991

Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Site: MOON RIVER SPRING Ranks: B1 P1 M1 Code: S.USWRO1*852 Owners known: pb possible: Elev.: 5188-5290 ft. Max. distance: 4.0 mi.	G2T1	S1		(1/3)	<i>Crenichthys baileyi thermophilus</i> (Moorman White River springfish)	<C2	N		YES	Y	1991
	G3	S3		(2/40)	<i>Cryptantha welshii</i> (White River catseye)	<C2	N			Y	1994
	G1	S1		(1/6)	<i>Pyrgulopsis merriami</i> (Pahranagat pebblesnail)	<C2	N			Y	1992
Site: MOORMAN SPRING Ranks: B1 P1 M1 Code: S.USNVHP*253 Owners known: pb possible: Elev.: 5265-5305 ft. Max. distance: 3.7 mi.	G2T1	S1		(1/3)	<i>Crenichthys baileyi thermophilus</i> (Moorman White River springfish)	<C2	N		YES	Y	1991
	G3	S3		(2/40)	<i>Cryptantha welshii</i> (White River catseye)	<C2	N			Y	1994
	G1	S1		(1/6)	<i>Pyrgulopsis merriami</i> (Pahranagat pebblesnail)	<C2	N			Y	1992
Site: MOORMAN SPRING SE Ranks: B1 P2 M2 Code: S.USNVHP*250 Owners known: b possible: Elev.: 5220-5470 ft. Max. distance: 6.0 mi.	G3	S3		(3/40)	<i>Cryptantha welshii</i> (White River catseye)	<C2	N			Y	1994
	G1	S1		(2/9)	<i>Frasera gypsicola</i> (Sunnyside green gentian)	<C2	S		CE		1999
Site: PRESTON Ranks: B1 P1 M1 Code: S.USWRO1*1066 Owners known: pnb possible: Elev.: 5600-6360 ft. Max. distance: 7.9 mi.	G2T1	S1		(4/4)	<i>Crenichthys baileyi albivallis</i> (Preston White River springfish)	<C2	P		YES	Y	1991
	G3	S3		(2/40)	<i>Cryptantha welshii</i> (White River catseye)	<C2	N			Y	1994
	G5	S4B	=	(1/81)	<i>Myotis volans</i> (long-legged myotis)	<C2	N				1945
	G1G2	S1S2		(2/6)	<i>Pyrgulopsis sathos</i> (White River Valley springsnail)					Y	1998
	G5T2T3Q	S2S3		(4/19)	<i>Rhinichthys osculus ssp.</i> (White River speckled dace)	<C2				Y	1991
Site: RUPPES PLACE/BOGHOLE Ranks: B1 P1 M1 Code: S.USNVHP*251 Owners known: pb possible: Elev.: 5350-5630 ft. Max. distance: 4.8 mi.	G5T2	S2	\=	(2/11)	<i>Cercyonis pegala pluvialis</i> (White River wood nymph)	<C2	N				1993
	G1	S1		(1/9)	<i>Frasera gypsicola</i> (Sunnyside green gentian)	<C2	S		CE		1994
	G2	S2		(1/7)	<i>Pyrgulopsis marcida</i> (Hardy springsnail)					Y	1998
	G5T2T3Q	S2S3		(1/19)	<i>Rhinichthys osculus ssp.</i> (White River speckled dace)	<C2				Y	1991
Site: SUNNYSIDE/KIRCH WMA Ranks: B1 P1 M1 Code: S.USWRO1*1530 Owners known: nbp possible: Elev.: 5150-5650 ft. Max. distance: 11.4 mi.	G2Q	S2		(1/28)	<i>Asclepias eastwoodiana</i> (Eastwood milkweed)	<C2	N	S		Y	1979
	G5T2	S2		(1/9)	<i>Astragalus calycosus var. monophyllidius</i> (one-leaflet Torrey milkvetch)						1980
	G3G4T1T2Q	S1S2	\	(1/4)	<i>Catostomus clarki intermedius</i> (White River desert sucker)	<C2	P		YES	Y	1991
	G4T3	S1B		(1/9)	<i>Charadrius alexandrinus nivosus</i> (Western Snowy Plover)	<C2NL	N		YES		1983
	G1	S1		(1/1)	<i>Cottus sp.</i> (White River sculpin)					Y	1991
	G2T1	S1		(1/3)	<i>Crenichthys baileyi thermophilus</i> (Moorman White River springfish)	<C2	N		YES	Y	1992
	G3	S3		(19/40)	<i>Cryptantha welshii</i> (White River catseye)	<C2	N			Y	1994
	G1	S1		(5/9)	<i>Frasera gypsicola</i> (Sunnyside green gentian)	<C2	S		CE		1994
	G5TU	S2N		(2/4)	<i>Ixobrychus exilis hesperis</i> (Western Least Bittern)	<C2			YES		1983
	G1	S1	=+	(1/1)	<i>Lepidomeda albivallis</i> (White River spinedace)	LE	S		YES	Y	1996

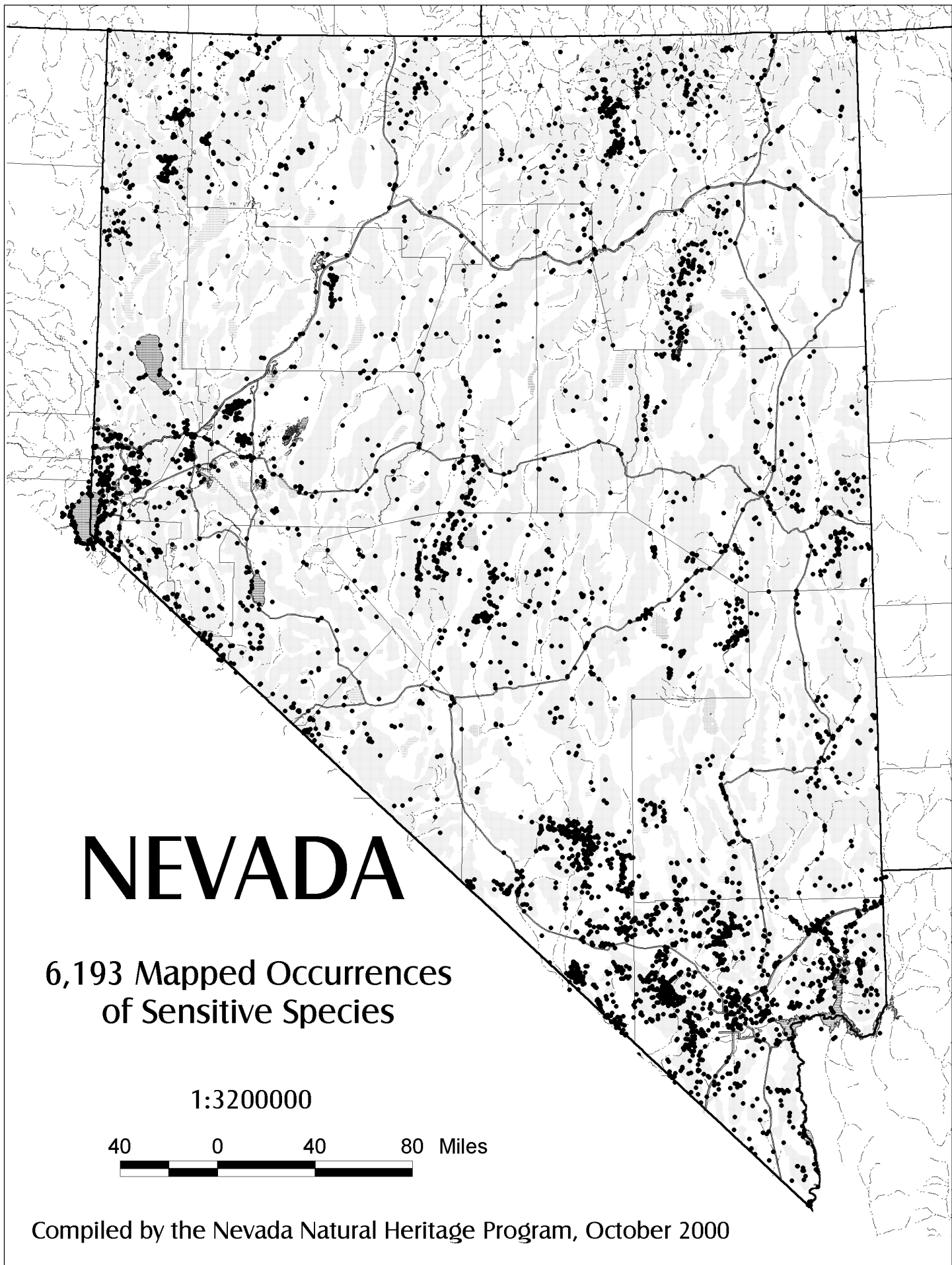
Site information	Grank	Srank	Trnd	Site/Total	Scientific and common names	Usfws	Blm	Usfs	State	End	Year
Sunnyside/Kirch WHA continued:	G5T3T4	S3		(1/31)	<i>Machaeranthera grindelioides</i> var. <i>depressa</i> (rayless tansy aster)						1980
	G2G3	S2S3	\	(1/16)	<i>Phacelia parishii</i> (Parish phacelia)	<C2	N				1995
	G5T3	S3	\=	(1/21)	<i>Polites sabuleti nigrescens</i> (dark sandhill skipper)					Y	1984
	G1	S1		(2/3)	<i>Pyrgulopsis breviloba</i> (Flag springsnail)					Y	1973
	G1	S1		(1/1)	<i>Pyrgulopsis lata</i> (Butterfield springsnail)					Y	1992
	G2	S2		(1/7)	<i>Pyrgulopsis marcida</i> (Hardy springsnail)					Y	1998
	G1	S1		(1/6)	<i>Pyrgulopsis merriami</i> (Pahranagat pebblesnail)	<C2	N			Y	1992
	G1G2	S1S2		(2/6)	<i>Pyrgulopsis sathos</i> (White River Valley springsnail)					Y	1992
	G5T2T3Q	S2S3		(4/19)	<i>Rhinichthys osculus</i> ssp. (White River speckled dace)	<C2				Y	1991
	G4T3	S3		(1/39)	<i>Townsendia jonesii</i> var. <i>tumulosa</i> (Charleston grounddaisy)	<C2	N	S		Y	1985
	G2	S2	\	(1/9)	<i>Tryonia clathrata</i> (grated tryonia)	<C2	N			Y	1992
Site: THE COVE Ranks: B1 P1 M1 Code: S.USNVHP*252 Owners known: pb possible: Elev.: 5940-6170 ft. Max. distance: 3.3 mi.	G3G4T1T2Q	S1S2	\	(2/4)	<i>Catostomus clarki intermedius</i> (White River desert sucker)	<C2	P		YES	Y	1991
	G5T2T3Q	S2S3		(5/19)	<i>Rhinichthys osculus</i> ssp. (White River speckled dace)	<C2				Y	1991

WHITE ROCK/WILSON CREEK RANGE MACROSITE

Site: BIG JACK RANCH Ranks: B1 P1 M1 Code: S.USNVHP*549 Owners known: p possible: Elev.: 7000-7000 ft. Max. distance: 0.0 mi.	G1	S1		(1/1)	<i>Pyrgulopsis montana</i> (Camp Valley springsnail)					Y	1992
Site: BURNT CANYON CREEK Ranks: B1 P2 M2 Code: S.USNVHP*626 Owners known: b possible: Elev.: 6700-6700 ft. Max. distance: 0.0 mi.	G1	S1		(1/2)	<i>Eriogonum phoeniceum</i> (scarlet buckwheat)						1987

WINDERMERE HILLS MACROSITE

Site: PRATHER SPRINGS Ranks: B1 P1 M1 Code: S.USNVHP*595 Owners known: p possible: Elev.: 5920-5920 ft. Max. distance: 0.0 mi.	G1	S1		(1/1)	<i>Pyrgulopsis hovinghi</i> (upper Thousand Spring springsnail)					Y	1990
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NEVADA

6,193 Mapped Occurrences
of Sensitive Species

1:3200000

40 0 40 80 Miles

Compiled by the Nevada Natural Heritage Program, October 2000



Nevada Natural Heritage Program

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